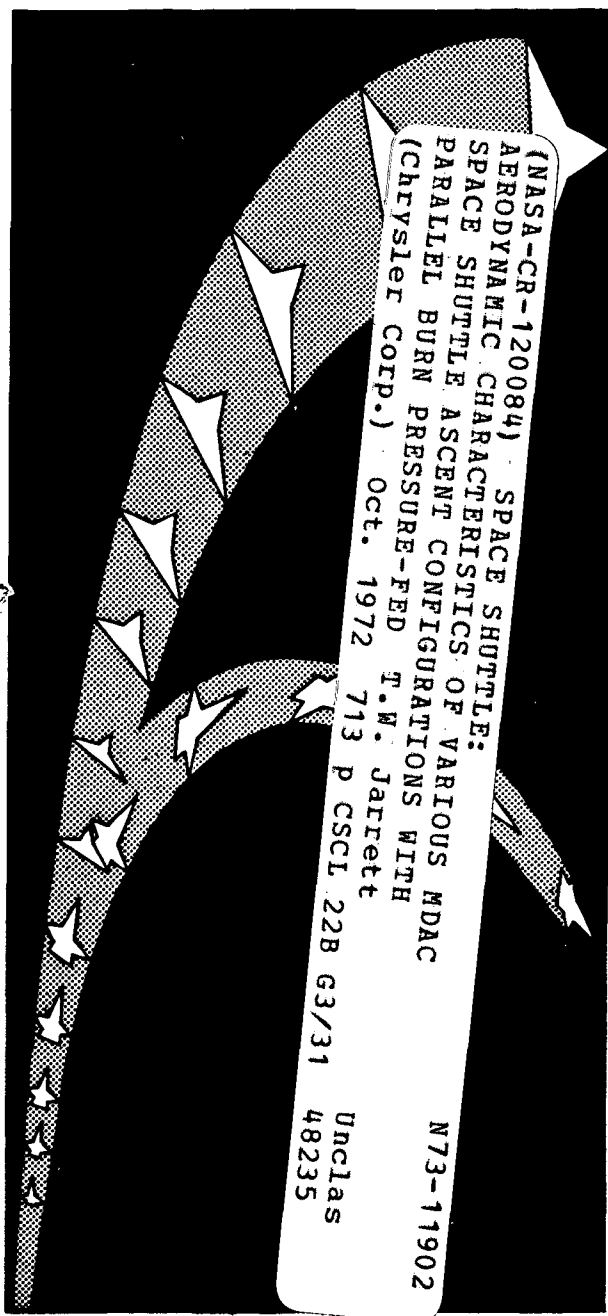


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DMS-DR-1230
CR-120,084
OCTOBER 1972



—SPACE SHUTTLE—

**AERODYNAMIC CHARACTERISTICS
OF VARIOUS MDAC SPACE
SHUTTLE ASCENT CONFIGUR-
ATIONS WITH PARALLEL BURN
PRESSURE-FED AND SRM BOOSTERS**

**VOLUME II
TANK T3 CONFIGURATIONS**

by

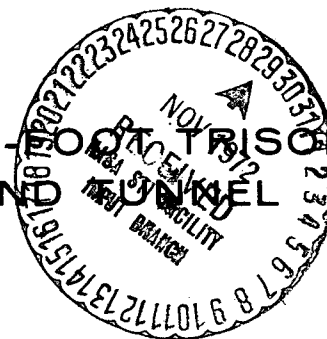
T. W. Jarrett, MDAC

SADSAC SPACE SHUTTLE
AEROTHERMODYNAMIC
DATA MANAGEMENT SYSTEM

CONTRACT NAS8-4016
MARSHALL SPACE FLIGHT CENTER

SPACE DIVISION  **CHRYSLER**
CORPORATION

MDAC 4-FOOT TRANSONIC
WIND TUNNEL



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OCTOBER, 1972

SADSAC/SPACE SHUTTLE

WIND TUNNEL TEST DATA REPORT

CONFIGURATION: MDAC Pressure Fed and SRM Parallel Burn Ascent Configurations
TEST PURPOSE: To Define the Aerodynamic Characteristics of an Ascent
Configuration, the Individual Component Contribution,
Relative Orbiter and Booster Position and Interference Effects
TEST FACILITY: MDAC Aerophysics Lab. 4 Foot Trisonic Wind Tunnel
TESTING AGENCY: MDAC (W)
TEST NO. & DATE: S-222; 2 Dec. 1971 - 18 Jan. 1972, 25 Jan. 1972 - 8 Feb. 1972
FACILITY COORDINATOR: T. W. Jarrett, MDAC
PROJECT ENGINEER(S): T. W. Jarrett, MDAC

DATA MANAGEMENT SERVICES

LIAISON: B. J. Fricken
for T. L. Mulkey

DATA OPERATIONS: W. R. Morgan
W. R. Morgan

RELEASE APPROVAL: J. G. Glynn
for N. D. Kemp, Supervisor
Aero Thermo Data Group

CONTRACT NAS 8-4016

AMENDMENT 174

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FACILITY COORDINATOR & PROJECT ENGINEER:

Mr. T. W. Jarrett
McDonnell Douglas Aircraft Corporation
5301 Bolsa Avenue
Building 13, Mail Stop 14
Huntington Beach, California 92647

Phone: (213) 896-4044

SADSAC LIAISON:

Mr. T. L. Mulkey
c/o Ames Research Center
Mail Stop 226-4
Moffett Field, California 94035

Phone: (415) 965-6118

SADSAC OPERATIONS:

Mr. W. R. Morgan
Chrysler Corporation Space Division
P. O. Box 29200
Department 2780
New Orleans, Louisiana 70129

Phone: (504) 255-2304

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AERODYNAMIC CHARACTERISTICS OF VARIOUS MDAC SPACE SHUTTLE
ASCENT CONFIGURATIONS WITH PARALLEL BURN PRESSURE-FED
AND SRM BOOSTERS ($M = 0.4 - 4.5$)

By

T. W. Jarrett

INTRODUCTION

Various space shuttle ascent configurations were tested in the MDAC Aerophysics 4 x 4 Ft. Trisonic Wind Tunnel. The models were 0.6 percent scale. The ascent configurations consisted of a NASA/MSO 040A orbiter in combination with various HO centerline tank and booster geometries. The purposes of the tests were to determine the aerodynamics of the ascent configurations, the aerodynamic interference between components and its effect on orbiter aerodynamics, and to determine orbiter aileron effectiveness.

The model was sting mounted with either a single internal balance (in the orbiter HO tank) or dual internal balances (one in the orbiter and one in the orbiter HO tank). With the dual balance setup, three types of runs were made; one with tank alone on the tank balance, one with tank and two attached boosters on the tank balance, and one with the tank and one booster attached on the tank balance and the other booster isolated on a separate sting but in proximity to the tank and orbiter. In addition to the 6-component force and moment balance data, base pressure data were taken for the boosters, the tank and the orbiter. Angle of attack data included α sweeps at 0° and 6° β (the latter involving a knuckle change) and β sweeps at 0° and 6° α . Through the use of a remote roll device it was usually possible to get both an α sweep and a β sweep in a single run.

INTRODUCTION (Continued)

The report consists of five volumes arranged in the following manner:

- | | |
|------------|---|
| Volume I | Ascent configurations with centerline
HO tanks T_1 and T_2 |
| Volume II | Ascent configurations with centerline
HO tank T_3 |
| Volume III | Ascent configurations with centerline
HO tank T_4 |
| Volume IV | Ascent configuration plume studies
and configuration buildup |
| Volume V | Orbiter alone, Tanks alone and
Boosters alone |

NOMENCLATURE
General

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2 , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2 , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3 , slugs/ft ³
<u>Reference & C.G. Definitions</u>		
A_b		base area; m^2 , ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}_{REF}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2 , ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis
<u>SUBSCRIPTS</u>		
b		base
l		local
s		static conditions
t		total conditions
∞		free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

ADDITIONS TO NOMENCLATURE

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
C_L^2	CLSQR	lift coefficient squared.
δ_a	AILRON	aileron, total aileron deflection angle, degrees, (left aileron-right aileron)/2.
δ_e	ELEVON	elevon, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_r	RUDDER	rudder, surface deflection angle, positive deflection, trailing edge to the left; degrees
δ_{rf}	RUDFLR	rudder flare, split rudder deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{rf} = (\delta_{rL} + \delta_{rR})/2$, positive deflection; degrees.

CONFIGURATIONS INVESTIGATED

The wind tunnel models were 0.6 percent scale models and included one orbiter configuration, four tank configurations, and seven booster configurations. The orbiter centerline H₂O propellant tanks included variations in diameter (302 and 325 in.), nose cone angle (10° and 15°), and axial position (120 inch travel). Of the boosters, three were solid rocket motors with the remainder being pressure fed boosters. The pressure fed boosters included variations in diameter (206 and 248 inch), nose cone angle (15° and 20°) and base flare (5° and 15°). The solid rocket motors included variations in diameter (156 and 120 in.) and base flare (0° and 15°) for the 156 in. motor.

In addition, simulated rocket plumes were tested at M = 1.5 and 2.2 for both pressure fed and solid rocket motor boosters. These plumes were made up of three solid aluminum bodies each of which represented an envelope of individual engine plumes for the orbiter and each booster. These envelopes were generated by taking the outermost plume boundary of the outermost engine for each component and rotating this boundary about the null thrust vector of the component (orbiter or booster). The individual engine plumes were generated at MSC with the plume boundary defined by a method of characteristics solution with the flow field originating at the exit plane, and the effects of the external flow on the boundary calculated by Newtonian impact theory.

The contours of the various plumes tested are defined in Table 4 and Figure 43 through 46. The matrix of plume testing was as follows:

<u>CONFIGURATION</u>	<u>BOOSTER PLUME</u>	<u>ORBITER PLUME</u>	<u>M_{TEST}</u>
O ₁ T ₁ B ₁	LOX/PROP M = 2.5	4 ENG. J2S M = 2.5	2.2
O ₁ T ₁ B ₁	LOX/PROP M = 1.5	3 ENG. HiPc M = 1.5	1.5
O ₁ T ₁ B ₁	LOX/PROP M = 1.5	3 ENG. HiPc M = 1.5	2.2
O ₁ T ₃ B ₆	156" SRM M = 1.5	3 ENG. HiPc M = 1.5	1.5
O ₁ T ₃ B ₆	156" SRM M = 2.2	3 ENG. HiPc M = 2.2	2.2
O ₁ T ₄ B ₇ A ₁ -4	120" SRM M = 1.5	3 ENG. HiPc M = 1.5	1.5
O ₁ T ₄ B ₇ A ₁ -4	120" SRM M = 2.2	3 ENG. HiPc M = 2.2	2.2

Symbols for Orbiter Configuration:

<u>Symbol</u>	<u>Description</u>
O1	W1B1E1V2R2P1M1C0
W1	Wing
B1	Body
E1	Elevon
V1	Centerline vertical (Replaces V2R2)
V2	Centerline vertical
V _{OFF}	No centerline vertical
C0	Canopy
R1	Rudder for V1
R2	Rudder for V2
P1	ACPS Engine Pod
M1	OMS Engine Pod
C1	Cupola
C2	Canopy Off (Replaces C0)

Symbols for Tanks

<u>Symbol</u>	<u>Description</u>
T ()	Tank complete
T () _a	Tank complete at an alternate position with respect to the boosters and orbiter
F1	Fin for T ₄

Symbols for Boosters:

<u>Symbol</u>	<u>Description</u>
B ()	Boosters complete
S	Skirt for booster
F ₄	Fins for B ₄
A	Thrust vectoring fuel tank for B ₇

Symbols for Plumes:

<u>Symbol</u>	<u>Description</u>
+ Plume (2.5)	3 Plumes (Orbiter + 2 Boosters) at M = 2.5
+ Plume (1.5)	3 Plumes (Orbiter + 2 Boosters) at M = 1.5
+ Plume (2.2)	3 Plumes (Orbiter + 2 Boosters) at M = 2.2

TEST FACILITY

The MDAL 4' Trisonic Wind Tunnel facility is a blowdown type operation capable of Mach numbers of 0.2 to 5.0 and Reynolds numbers from approximately 1×10^6 to 2×10^6 per inch. The subsonic and transonic Mach numbers are run in a porous wall test section which is removed for supersonic testing. The supersonic test section utilizes a two dimensional flexible plate nozzle to obtain Mach numbers 1.5 to 5.0. The models are mounted on a sting that is supported from a vertical translating strut with a vertical plane rotating pod having a pitch range of -15° to $+25^\circ$ when no offset adapters are present.

MODELS AND SUPPORT EQUIPMENT

The test models with all of their interchangeable component parts were 0.60 percent of full scale.

The orbiter model had a blended body contoured into a low delta wing. Effects of orbiter position and booster relative to the tank was investigated at two longitudinal locations on the tank (nominal and aft). The orbiter and boosters can be bolted to the tank (T1) in both nominal and aft positions as well as independently mounted from the tank. For the bolted orbiter case, the orbiter balance was inoperative and there were no force or moment data for the orbiter.

Effects of the orbiter control surfaces and control surface deflections were investigated for elevons, ailerons, and rudder with the surfaces deflected and undeflected.

Transition strips of No. 120 carborundum grit were used to insure boundary layer transition from laminar to turbulent flow. These strips were $3/32$ inches wide and were located $3/4$ inches aft of the orbiter nose, $1/2$ inch aft of the booster nose, $1/2$ inch aft of the tank nose, and at 5 percent local chord (both surfaces) on the wings, vertical tails and fins.

To achieve the required test angles of attack and sideslip two straight balance adapters were used in combination with the MDAL 6 degree sting adapter. A straight sting section positioned the model properly in the test section.

Pressure data for the orbiter, tank or the booster were obtained from base and balance cavity pressure pickups that were cantilevered off the sting. Leads for these pickups were routed externally over the model support system and into the tunnel strut. The boosters in the presence of the tank each had a base pressure pickup.

DATA REDUCTION

The data are corrected for such factors as model tares, sting bending and balance deflections, interactions, and bilinearities.

Composite Configurations

1. The orbiter data were reduced about the orbiter MRP using its reference dimensions and about the tank MRP, using orbiter reference dimensions (\bar{c} for longitudinal and b for lateral).
2. The tank data were reduced about the tank MRP using orbiter reference dimensions (\bar{c} for longitudinal and b for lateral).
3. A summation of the orbiter (tank MRP) and tank (tank MRP) data with all data corrected for angular attitudes to the tank body axes.

Orbiter Alone Configurations

1. The orbiter data were reduced about the orbiter MRP using the orbiter reference dimensions (\bar{c} for longitudinal and b for lateral).

Tank Alone Configurations

1. The tank data were reduced about the tank MRP using the orbiter reference dimensions.

Booster Alone Configurations

1. The booster data were reduced about the booster MRP using the orbiter reference dimensions.

Ascent configuration composite tank MRP data, orbiter alone data, tank alone data and booster alone data are presented in this report, with the remaining data on file and available upon request.

Reference quantities used in these data reductions are as follows:

ORBITER

<u>Quantity</u>	<u>Full Scale Dimensions</u> <u>(Reference only)</u>	<u>Model Dimensions</u>
Reference Area (S)	3155.3 Ft ²	16.37 In ²
Reference Span (b)	882 In.	5.292 In
Reference MAC (\bar{c})	609.5 In.	3.657 In
Moment Reference Points		See Figures 13 & 14

DATA REDUCTION (CONTINUED)

Areas:

Total Base (A_B)	298 Ft^2	1.546 In^2
----------------------	-------------------	---------------------

TANK

<u>Quantity</u>	<u>Full Scale Dimensions</u> <u>(Reference only)</u>	<u>Model Dimensions</u>
Reference Area (S)	3155.3 Ft^2	16.37 in^2
Reference Length (b)	882 In.	5.292 in.
Reference Length (\bar{c})	609.5 In.	3.657 in.
Moment Reference Points		See Figures 13 & 15

Areas:

Total Base (A_B)/Tank	T1 - 422 Ft^2	2.125 In^2
	T2 - 422 Ft^2	2.125 In^2
	T3 - 518 Ft^2	2.613 In^2
	T4 - 537 Ft^2	2.785 In^2

BOOSTER

<u>Quantity</u>	<u>Full Scale Dimensions</u> <u>(Reference only)</u>	<u>Model Dimensions</u>
Reference Area (S)	3155.3 ft^2	16.37 in^2
Reference Length (b)	882 in.	5.292 in.
Reference Length (\bar{c})	609.5 in.	3.657 in.
Moment Reference Points		See Figures 13 & 16 through 19

DATA REDUCTION (CONTINUED)

Areas:

Total Base (A_B)/Booster	B1	-	901.0 Ft^2	4.539 In^2
	B1S1	-	2125 Ft^2	11.0093 In^2
	B1S2	-	4785 Ft^2	24.7887 In^2
	B2	-	137.8 Ft^2	0.694 In^2
	B2S	-	428 Ft^2	2.158 In^2
	B3	-	902 Ft^2	4.545 In^2
	B4	-	568 Ft^2	2.865 In^2
	B5	-	557 Ft^2	2.883 In^2
	B6	-	95.4 Ft^2	0.481 In^2
	B7	-	79.3 Ft^2	0.408 In^2

TABLE 1.

TEST CONDITIONS
TEST S-222

MACH NUMBER	REYNOLDS NUMBER per (inch)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.4	0.50×10^6	3.3	53
0.6	0.83×10^6	7.6	47
0.7	0.74×10^6	7.8	68
0.9	0.79×10^6	10.0	50
0.95	0.67×10^6	8.8	53
1.05	0.69×10^6	9.5	50
1.1	0.69×10^6	9.8	52
1.5	0.63×10^6	10.0	55
2.2	0.63×10^6	9.9	68
2.25	0.94×10^6	14.0	52
2.5	0.66×10^6	10.3	91
4.5	1.15×10^6	10.6	120

BALANCE UTILIZED: See Listing on next page.

CAPACITY:

ACCURACY:

COEFFICIENT
TOLERANCE:

NF _____
 SF _____
 AF _____
 PM _____
 YM _____
 RM _____

COMMENTS:

TABLE 1.

TEST CONDITIONS (CONTINUED)

BALANCES UTILIZED

Several balances were required during the test. Listed below are the balances used, their capacity and the corresponding tunnel runs which apply to each.

<u>BALANCES</u>					
	<u>Orbiter</u>			<u>Tank Balance</u>	
	<u>3/4" D.</u>			<u>1" D.</u>	
Runs 1-10	#7 DAL			#13 NAR	
Runs 11-113	-			#13 NAR	
Runs 114-184	#5 DAL			-	
Runs 185-197	-			#13 NAR	
Runs 198-270	#58 DAL			#13 NAR	
Runs 271-420	#58 DAL			#11 DAL	
Runs 421-424	-			#11 DAL	
Runs 425-459	-			#11 DAL	
Runs 460-474	-			#11 DAL	
Runs 475-569	#58 DAL			#11 DAL	
Runs 570-646	-			#11 DAL	

Balance	MK. 31A	MK. 2A	MK. 10	MK. 7	MK. 3C
	3/4" D. #7 DAL	3/4" D. #5 DAL	3/4" D. #58 DAL	1" D. #13 NAR	1" D. #11 DAL
<u>Gage</u>			<u>Capacity</u>		
NF (each)	100 lb.	100 lb.	100 lb.	500 lb.	250 lb.
2 gages					
SF (each)	100 lb.	50 lb.	100 lb.	300 lb.	250 lb.
2 gages					
AF	80 lb.	25 lb.	50 lb.	500 lb.	150 lb.
RM	20 in.lb.	60 in.lb.	40 in.lb.	150 in.lb.	150 in.lb.

TABLE 2. TEST S-2222

DATA SET COLLATION SHEET

ORBITER @ ORBITER MRC

(Φ1) ORBITER ISOLATED ON
SEPARATE BALANCE.
(BXR) BOOSTER ISOLATED
WITHOUT A BALANCE.☐ PRETEST☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		α	β	SA	SE	SR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD7101	(Φ1) T1 B1	A	0	0	0	0		3		396	395			394				
102		0	D	0	0	0		3		396	395			394				
103		A	0	0	0	0		2							206	224		
104		A	0	20	0	0		6		373	371			370	254	253		266
105	(Φ1) T1 B1L (B1R)	A	0	0	0	0		4		374	374			375		258		267
106		0	D	0	0	0		2		374				375				
107		A	0	0	0	0		2							215			245
108	(Φ1) T1 (B1L) B1R	A	0	0	0	0		2							221			244
109	(Φ1) T1 B2	A	0	0	0	0		2						205	255			
110	(Φ1) T1 B2L (B2R)	A	0	0	0	0		4		387				388	259			268
111		0	D	0	0	0		2		387				388				
112		A	0	0	0	0		2							227			242
113	(Φ1) T1 (B2L) B2R	A	0	0	0	0		2							226			243
114	(Φ1) T1 B3	A	0	0	0	0		6		391	390			389	255	256		264
115		0	D	0	0	0		3		391	390			389				
116		A	0	0	0	0		3							202	228		239
117	(Φ1) T1 B3L (B3R)	A	0	0	0	0		4		392				393		257		265
118		0	D	0	0	0		2		392				393				
119		A	0	0	0	0		2							230			241
120	(Φ1) T1 (B3L) B3R	A	0	0	0	0		2							229			240

COEFFICIENTS:

α or β
SCHEDULES

A = -10° → 10°

B = 10° → -10°

C = -10° → 20°

D = 6° → -6°

MACH 1.05 1.1 1.5 2.2 2.25 4.5

IDPVAR(1) IDPVAR(2) NDV

BX - BOTH LEFT & RIGHT BOOSTERS

BXL - LEFT BOOSTER

BXR - RIGHT BOOSTER

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION			NO. OF RUNS	MACH NUMBERS											
		A	B	δA	δE	δR		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5		
R07121	(φ1) T1 B4	A	0	0	0	0	6		378	377			376	269	273		276		
122		A	0	0	0	0	1							272					
123		0	D	0	0	0	3		378	377			376						
124		A	0	0	0	0	3							201	231		238		
125	(φ1) T1 B4L (B4R)	A	0	0	0	0	4						379		274		275		
126		A	0	0	0	0	2								233		236		
127		0	D	0	0	0	2						379						
128	(φ1) T1 (B4L) B4R	A	0	0	0	0	2								232		237		
129	(φ1) T1 B5	A	0	0	0	0	2							249			248		
130		A	0	0	0	0	1							208					
131	(φ1) T1 B5L (B5R)	A	0	0	0	0	1										246		
132	(φ1) T1 (B5L) B5R	A	0	0	0	0	1										247		
133	(φ1 V1) T1 B5	A	0	0	0	0	6		384	382			383	250	252		251		
134		0	D	0	0	0	3		384	382			383						
135		A	0	0	0	0	1								218				
136		0	A	0	0	0	1								220				
137	(φ1 V1) T1 B5L (B5R)	A	0	0	0	0	4							385			262		
138		0	D	0	0	0	2							385					
139		A	0	0	0	0	1								216				
140	(φ1 V1) T1 (B5L) B5R	A	0	0	0	0	1								217				

COEFFICIENTS: IDPVAR(1) IDPVAR(2) NDV

3 or 8
SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION			NO. of RUNS	MACH NUMBERS									
		a	b	SA	SE	SR		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD7141	(ϕ 1V1) T1	A	0	0	0	0	3		399	398			397				
142		0	D	0	0	0	3		399	398			397				
143		A	0	20	0	0	3		401	402			400				
144		0	D	20	0	0	3		401	402			400				
145		A	0	0	0	10	3		405	404			403				
146		0	D	0	0	10	3		405	404			403				
147	(ϕ 1) T1	A	0	0	0	0	8	360	361	362	363	364	365		260		263
148		0	D	0	0	0	6	360	361	362	363	364	365				
149		A	6	0	0	0	2								234		235
150	(ϕ 1) T2 B1	A	0	0	0	0	3		415	416			417				
151		0	D	0	0	0	3		415	416			417				
152		A	6	0	0	0	2							207	223		
153	(ϕ 1) T2 B1L (B1R)	A	6	0	0	0	1								214		
154	(ϕ 1) T2 B2	A	6	0	0	0	1							204			
155	(ϕ 1) T2 B3	A	6	0	0	0	1							203			
156	(ϕ 1) T2 B4	A	0	0	0	0	3		420	419			418				
157		0	D	0	0	0	3		420	419			418				
158		A	6	0	0	0	1							200			
159	(ϕ 1) T2 (B1L) B1R	A	6	0	0	0	1							222			
160	(ϕ 1V1) T2 B5	A	0	0	0	0	3		408	407			406				

COEFFICIENTS:

IDPVAR(1) IDPVAR(2) NDV

a or b
SCHEDULES

TABLE 2. TEST S-2222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		a	b	5A	5E	5R			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R07161	(ϕ 1V1) T2 B5	0	D	0	0	0		3		408	407			406				
162	(ϕ 1V1) T2A B5	A	b	0	0	0		3		409	410			411				
163	\downarrow	0	D	0	0	0		3		409	410			411				
164	(ϕ 1) T2A B1	0	A	0	0	0		1								211		
165	\downarrow	A	D	0	0	0		3		414	413			412				
166	\downarrow	0	D	0	0	0		3		414	413			412				
167	\downarrow	A	6	0	0	0		2							209	210		
168	(ϕ 1) T2A B1L (B1R)	A	6	0	0	0		1								213		
169	(ϕ 1) T2A (B1L) B1R	A	6	0	0	0		1								212		
170	(ϕ 1) T2	A	D	0	0	0		2			367			366				
171	\downarrow	0	D	0	0	0		2			367			366				
172	(ϕ 1) T2A	A	0	0	0	0		2			368			369				
173	\downarrow	0	D	0	0	0		2			368			369				
174	(ϕ 1) T3 B1	A	0	0	0	0		6		333	329			331	277	278	279	
175	\downarrow	0	A	0	0	0		3		334	330			332				
176	\downarrow	A	6	0	0	0		3						309	308		310	
177	(ϕ 1) T3 B1L (B1R)	A	D	0	0	0		4			335			336		281	280	
178	\downarrow	0	D	0	0	0		2			335			336				
179	\downarrow	A	6	0	0	0		2								312	311	
180	(ϕ 1) T3 (B1L) B1R	A	6	0	0	0		4			328			327		313	314	

COEFFICIENTS:

a or b

SCHEDULES

IDPVAR(1) IDPVAR(2) NDV

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS									
		A	B	SA	SE	SR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R27181	(ϕ 1) T3 (B1L) B1R	A	6	0	0	0	0	1								326		
182	(ϕ 1) T3 B2	A	0	0	0	0	0	5		350	351					296		297
183	\downarrow	0	D	0	0	0	0	3		350	351							
184	(ϕ 1) T3 B2L (B2R)	A	0	0	0	0	0	4			354					294		298
185	\downarrow	0	D	0	0	0	0	2			354							
186	\downarrow	A	6	0	0	0	0	2								300		301
187	(ϕ 1) T3 (B2L) B2R	A	6	0	0	0	0	2								303		302
188	(ϕ 1) T3 B3	A	0	0	0	0	0	6		356	355					286		288
189	\downarrow	0	D	0	0	0	0	3		356	355							
190	\downarrow	A	6	0	0	0	0	2							317	318		
191	(ϕ 1) T3 B3L (B3R)	A	0	0	0	0	0	4		359						285		284
192	\downarrow	0	D	0	0	0	0	2		359								
193	\downarrow	A	6	0	0	0	0	1								319		
194	(ϕ 1) T3 (B3L) B3R	A	6	0	0	0	0	1								320		
195	(ϕ 1) T3 B4	A	0	0	0	0	0	1							1			
196	\downarrow	0	A	0	0	0	0	1							2			
197	\downarrow	A	0	20	0	0	0	1							3			
198	\downarrow	A	0	0	0	0	10	2							4	8		
199	(ϕ 1) T3 B4L (B4R)	A	0	0	0	0	0	4		338						282		283
1A1	\downarrow	0	D	0	0	0	0	2		338								

COEFFICIENTS: α or β IDPVAR(1) IDPVAR(2) INDV

SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		a	b	SA	SE	SE	SE		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R071A2	(ϕ 1)T3 B4L(B4R)	A	6	0	0	0	0	2								307		306
1A3	(ϕ 1)T3(B4L)B4R	A	6	0	0	0	0	2								304		305
1A4	(ϕ 1)T3 B4 F4	A	0	0	0	0	0	2							6	7		
1A5	(ϕ 1V1) T3 B5	A	0	0	0	0	0	6		341	339			340	292	291		293
1A6	↓	D	D	0	0	0	0	3		341	339			340				
1A7	↓	A	6	0	0	0	0	2							322	321		
1A8	(ϕ 1V1) T3 B5L(B5R)	A	0	0	0	0	0	4			342			343		295		294
1A9	↓	D	D	0	0	0	0	2			342			343				
1B1	↓	A	6	0	0	0	0	1								324		
1B2	(ϕ 1V1) T3(B5L)B5R	A	6	0	0	0	0	1								325		
1B3	(ϕ 1) T3	A	0	0	0	0	0	8	349	348	347	346	345	344		290		284
1B4	↓	D	D	0	0	0	0	6	349	348	347	346	345	344				
1B5	↓	A	6	0	0	0	0	2								316		315
1B6	(ϕ 1V1) T1 B5	0	D	0	0	0	0	3							558	563		566
1B7	(ϕ 1V1) T1	A	0	20	0	0	0	3							557	562		567
1B8	↓	0	D	20	0	0	0	3							557	562		567
1B9	(ϕ 1V1) T2 B5	A	0	0	0	0	0	3							559	564		565
1C1	(ϕ 1)T1 B6	A	0	0	0	0	0	2		496					556			
1C2	↓	0	D	0	0	0	0	2		496					556			
1C3	↓	A	0	20	0	0	0	6		495	494			493	555	554		569

COEFFICIENTS:

IDPVAR(1) IDPVAR(2) INDV

a or b
SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION			NO. OF RUNS	MACH NUMBERS									
		A	B	SA	SE	SR		0.4	0.6	0.90	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD71C4	(ϕ 1) T1 B6	0	D	20	0	0	6		495	494			493	555	554	569	
1C5																	
1C6	(ϕ 1V1) T1 B5	A	C	0	0	0	3							558	563	566	
1C7	(ϕ 1) T4 B7A1-4	A	0	0	0	0	6		477	476			475	544	542	539	
1C8		0	D	0	0	0	6		477	476			475	544	542	539	
1C9		A	6	0	0	0	6		506	507			504	517	520	527	
1D1		A	0	20	0	0	6		478	479			480	550	543	538	
1D2		0	D	20	0	0	6		478	479			480	550	543	538	
1D3		A	6	20	0	0	6		511	508			509	516	521	526	
1D4		A	0	0	0	10	6		483	482			481	551	544	537	
1D5		0	D	0	0	10	6		483	482			481	551	544	537	
1D6		A	6	0	0	10	6		512	513			514	515	522	525	
1D7	(ϕ 1) T4 B7-4	A	0	0	0	0	3		489	488			487				
1D8		0	D	0	0	0	3		489	488			487				
1D9	(ϕ 1) T4	A	0	0	0	0	6		490	491			492	548	547	536	
1E1		0	D	0	0	0	6		490	491			492	548	547	536	
1E2		E	0	0	0	0	1									534	
1E3		E	6	0	0	0	1									531	
1E4	(ϕ 1) T4 B7A1-5	A	0	0	0	0	6		484	485			486	552	545	540	
1E5		0	D	0	0	0	6		484	485			486	552	545	540	

COEFFICIENTS: $F = -10^\circ \rightarrow 30^\circ$ IDPVAR(1) IDPVAR(2) NDV

a or B
 SCHEDULES

*830-528

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

TANK & BOOSTERS @ TANK MRC

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		a	R															
RD7201	NOTE: SAME AS																	
202	DATA SETS																	
203	RD71XX																	
204																		
205																		
206																		
207																		
208																		
209																		
210																		
211																		
212																		
213																		
214																		
215																		
216																		
217																		
218																		
219																		
220																		

1 7 13 19 25 31 37 43 49 55 61 67 7576
 CN CY CA CAF CBL CLM EYN I MACH ALPHA BETA 7
 COEFFICIENTS: IDPVAR(1) IDPVAR(2) IDV

a or b
SCHEDULES

TABLE 2. TEST	<u>S-222</u>	DATA SET COLLATION SHEET (CONTINUED)
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☐ PRETEST
☒ POSTTEST

[illegible]

1	7	13	19	25	31	37	43	49	55	61	67	7576
EN	CY	CA	CAF	CB	CLM	CYN				MACH	ALPHA	BETA
COEFFICIENTS: _____												
=>IDPVAR(1) IDPVAR(2) NDV												

a or b
SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

COMPOSITE @ TANK MRC

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		α	β															
RD7401	NOTE: SAME AS																	
402	DATA SETS																	
403	RD71XX																	
404																		
405																		
406																		
407																		
408																		
409																		
410																		
411																		
412																		
413																		
414																		
415																		
416																		
417																		
418																		
419																		
420																		

COEFFICIENTS: CN CY CA CAC CBL CLM CLN 1 MACH ALPHA BETA 7576

α or β
SCHEDULES

IDPVAR(1) IDPVAR(2) INDV

COMPOSITE @ TANK MRI:

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS									
		α	β	δA	δE	δR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RP7501	$\phi 1.71 B1$	A 0	0	0	0	0		7		77	78			79	16	11	421	21
502		A 6	0	0	0	0		6		95	94			93	25	26		33
503		A 6	0	0	0	0		1								197		
504		0 8	0	0	0	0		4		77	78				16	11		
505		0 D	0	0	0	0		1									421	
506		0 A	0	0	0	0		1					80					
507	$\phi 1.71 B1 + Pume(2.5)$	A 0	0	0	0	0		2								185	422	
508		A 6	0	0	0	0		1								196		
509		A 0	20	0	0	0		2								186	423	
510		A 0	0	0	0	10		2								187	424	
511		0 D	0	0	0	0		1									422	
512		0 D	20	0	0	0		1									423	
513		0 D	0	0	0	10		1									424	
514	$\phi 1.71 B2$	A 0	0	0	0	0		6		84	85			86	15	12		23
515		A 6	0	0	0	0		6		87	88			89	24	27		32
516	$\phi 1.71 B25$	A 0	0	0	0	0		5		83	82			81	14	13		
517		A 6	0	0	0	0		6		92	91			90	28	29		31
518	$\phi 1.73 B2$	A 0	0	0	0	0		1										
519		A 6	0	0	0	0		3							48	39		38
520	$\phi 1.73 B4$	A 0	0	0	0	0		6		71	72			73	51	56		59

COEFFICIENTS:

205

SCHEDULES

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IDPVAR(1) IDPVAR(2) NDV

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TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS									
		A	B	SA	SE	SR			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R07521	$\phi 173B4$	0	A	0	0	0		6		71	72			73	51	56		60
522		A	C	0	0	0		6		99	100			101	46	42		35
523		C	B	0	0	0		6		104	103			102	45	43		36
524		A	0	20	0	0		6		69	67			68	53	54		61
525	\vee	A	0	0	0	10		6		70	64			63	52	55		62
526	$\phi 173B4F4$	A	0	0	0	0		6		76	75			74	50	57		58
527	\vee	A	C	0	0	0		6		98	97			96	47	40		37
528	$\phi 171B1$	A	0	0	0	0		2							425	431		
529		0	D	0	0	0		2							425	431		
530		A	0	20	0	0		2							426	432		
531		0	D	20	0	0		2							426	432		
532		A	0	10	0	0		1							427			
533		0	D	10	0	0		1							427			
534		A	0	-10	0	0		1							428			
535		0	D	-10	0	0		1							428			
536		A	0	0	0	10		2							429	430		
537	\vee	0	D	0	0	10		2							429	430		
538	$\phi 171B1 + PLUME(15)$	A	0	0	0	0		2							434	437		
539		0	D	0	0	0		2							434	437		
540	\vee	A	0	20	0	0		2							433	438		

COEFFICIENTS:

IDPVAR(1) IDPVAR(2) INDV

a or b
SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION			NO. of RUNS	MACH NUMBERS									
		A	B	SA	SE	SR		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD7541	φ171B1+Rune (1.5)	0	D	20	0	0	2							433	438		
542	↓	A	0	0	0	10								435	436		
543	↓	0	D	0	0	10	2							435	436		
544	T3 B2	A	0	-	-	-	2							442	434		
545	↓	0	D	-	-	-	2							442	437		
546	T3 B5	A	0	-	-	-	2							441	440		
547	↓	0	D	-	-	-	2							441	440		
548	φ173 B6	A	0	0	0	0	2							443	448		
549	↓	0	D	0	0	0	2							443	448		
550	↓	A	0	20	0	0	2							444	447		
551	↓	0	D	20	0	0	2							444	447		
552	↓	A	0	0	0	10	2							445	449		
553	↓	0	D	0	0	10	2							445	449		
554	↓	A	0	0	0	10	1							446	446		
555	↓	0	D	0	0	10	1							446	446		
556	φ173 B6+P2014E (1.5)	A	0	0	0	0	1							455			
557	↓	0	D	0	0	0	1							455			
558	↓	A	0	20	0	0	1							454			
559	↓	0	D	20	0	0	1							454			
560	↓	A	0	0	0	10	1							453			

COEFFICIENTS:

α or β

SCHEDULES

IDPVAR(1) IDPVAR(2) INDV

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		α	β	δA	δE	δR			0.4	0.6	0.8	0.95	1.05	1.1	1.5	2.2	2.25	4.5
RD7561	$\phi 173 B6 + P_{LUME}(1.5)$	0	D	0	0	10		1							453			
562	$\phi 173 B6 + P_{LUME}(2.2)$	A	0	0	0	0		1								450		
563		0	D	0	0	0		1								450		
564		A	0	20	0	0		1								451		
565		0	D	20	0	0		1								451		
566		A	0	0	0	10		1								452		
567		0	D	0	0	10		1								452		
568	7185	A	0	-	-	-		2								452	458	
569		0	D	-	-	-		2								457	458	
570	7186	A	0	-	-	-		6		471	470					469	456	459
571		0	D	-	-	-		6		471	470					469	456	459
572	$\phi 174 B7A1-4$	A	0	0	0	0		4			460					461	598	572
573		0	D	0	0	0		4			460					461	598	572
574	$\phi 174 B7A1-4 + P_{LUME}(1.5)$	A	0	0	0	0		1								586		
575		0	D	0	0	0		1								586		
576		A	0	20	0	0		1								588		
577		0	D	20	0	0		1								588		
578		A	0	0	0	10		1								587		
579		0	D	0	0	10		1								587		
580	$\phi 174 B7A1-4 + P_{LUME}(2.2)$	A	0	0	0	0		1								577		

COEFFICIENTS:

 α or β

SCHEDULES

IDPVAR(1) IDPVAR(2) INDV

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION					NO. of RUNS	MACH NUMBERS									
		a	b	SA	SE	SR	SRE	SRE		0.7	0.6	0.4	0.45	1.05	1.1	1.5	2.2	2.25	4.5
R07581	φ174B7A1-4+Pumef(2.2)	0	D	0	0	0	0	0	1										
582		A	0	20	0	0	0	0	1										
583		0	D	20	0	0	0	0	1										
584		A	0	0	0	10	0	0	1										
585		0	D	0	0	10	0	0	1										
586	φ174F1B7A1-4	A	0	0	0	0	0	0	2										
587		0	D	0	0	0	0	0	2										
588	74 B7A1-4	A	0	-	-	-	-	-	6		474	463							
589		0	D	-	-	-	-	-	6		474	463							
590	74F1B7A1-4	A	0	-	-	-	-	-	4		645	644							
591		0	D	-	-	-	-	-	4		645	644							
592	φ17174B7A1-4	A	0	0	0	0	0	0	2										
593		0	D	0	0	0	0	0	2										
594		A	0	0	0	10	0	0	2										
595		0	D	0	0	10	0	0	2										
596		A	0	0	0	0	20	20	2										
597		0	D	0	0	0	20	20	2										
598		A	0	0	0	10	20	20	2										
599		0	D	0	0	10	20	20	2										
5A1	φ17174B7A1-4+Pumef(1.5)	A	0	0	0	0	0	0	1										

COEFFICIENTS:

a or b

SCHEDULES

IDPVAR(1) IDPVAR(2) NDV

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONTINUED)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCID.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		α	β	SA	SE	SP	SRE		0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5
R075A2	ϕ IVIT4B7A1-4+Pume(1.8)	0	D	0	0	0	0	1							582			
5A3		A	0	0	0	0	10	0							583			
5A4		0	D	0	0	0	10	0							583			
5A5		A	0	0	0	0	0	1							585			
5A6		0	D	0	0	0	0	1							585			
5A7		A	0	0	0	0	10	1							584			
5A8		0	D	0	0	0	10	1							584			
5B1	ϕ IVIT4B7A1-4+Pume(2.2)	A	0	0	0	0	0	1							581			
5B2		0	D	0	0	0	0	1							581			
5B3		A	0	0	0	0	10	1							580			
5B4		0	D	0	0	0	10	1							580			
5B5		A	0	0	0	0	0	1							578			
5B6		0	D	0	0	0	0	1							578			
5B7		A	0	0	0	0	10	1							579			
5B8		0	D	0	0	0	10	1							579			

COEFFICIENTS:

 α or β

SCHEDULES

IDPVAR(1) IDPVAR(2) INDV

TABLE 2. TEST

S-222

DATA SET COLLATION SHEET (CONTINUED)

RD76xx TANK @ TANK MRC
RD77xx ORBITER @ ORBITER MRC☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS											
		a	B	\$A	\$E	\$R			0.4	0.6	0.9	0.95	1.05	1.1	1.5	2.2	2.25	4.5		
RD7601	T1	A	0	-	-	-		4						105		107		190		193
602	T2	A	0	-	-	-		4						109		108		191		192
603	T3	A	0	-	-	-		4						110		111		189		194
604	T4	A	0	-	-	-		6						466	467	468	601	574		603
RD7701	$\phi 1$	C	0	0	0	0	0	6						126	127	128	181	180		182
702	\downarrow	C	6	0	0	0	0	6						155	154	153	156	157		165
703	\downarrow	C	0	0	0	0	10	4						131	130	129		179		
704	$\phi 1 V1$	C	0	0	0	0	0	3						139	140	145		175		
705	\downarrow	C	6	0	0	0	0	3						146		145		160		
706	\downarrow	C	0	0	0	0	10	1								178				
707	$\phi 1 V \phi F F$	C	0	0	0	0	-	3						142		141		174		
708	\downarrow	C	6	0	0	0	-	3						143		144		161		
709	$\phi 1 C1$	C	0	0	0	0	0	5						132	133	134		177		183
710	\downarrow	C	6	0	0	0	0	5						152	151	150		158		163
711	$\phi 1 C2$	C	0	0	0	0	0	5						137	136	135		176		184
712	\downarrow	C	6	0	0	0	0	5						149	147	148		159		164

1 7 13 19 25 31 37 43 49 55 61 67 7576

CN CY CA CAF CBL CLM CYN MACH ALPHA BETA 7

COEFFICIENTS: IDPVAR(1) IDPVAR(2) IDV

a or b

SCHEDULES

BOOSTER @ BOOSTER MRC PITCH PLANE

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION	NO. OF RUNS	MACH NUMBERS													
		a	b			.50													
RD7801	B1	A	D	-	4														
802	B2	A	C	-	4				117		116		170		169				
803	B2S	A	C	-	4				120		121		172		166				
804	B3	A	C	-	4				123		122		173		167				
805	B4	A	D	-	4				119		118		171		168				
806	B1S1	E	D	-	6				113		112		188		195				
807	B1S2	E	D	-	6				637		638	639	612		622	606			
808	B1D2	E	D	75	6				642		641	640	613		623	607			
809	B1D2	E	D	75	2				626		627	628	609		620	608			
810	B1D2	E	D	45	3						630	629			621				
811	B1D6	E	D	75	6				633		632	631	610		618	617			
812	B1D7	E	D	75	6				634		635	636	611		619	616			

CN	
CY	
CA	
EAF	
CBZ	
CLM	
CYN	
MACH	
ALPHA	
T	

$$F = 30^\circ \nearrow 61^\circ$$

SCHEDULES

☐ PRETEST
☒ POSTTEST

Age Group	Percentage (%)
1	75.7
7	31
13	19
19	13
25	7
31	4.3
37	2.5
43	1.9
49	1.3
55	0.7
61	0.43
67	0.25
75.7	0.13

$$\frac{IDPVAR(1)}{IDPVAR(2)} \cdot NDV$$

SCHEDULES

TABLE 2. TEST S-222 DATA SET COLLATION SHEET (CONCLUDED)

RD79XX BOOSTER @ BOOSTER MRC YAW PLANE
 RD79AX BOOSTER @ TANK T1 MRC YAW PLANE
 RD79BX BOOSTER @ TANK T3 MRC YAW PLANE

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL		DEFLECTION		NO. OF RUNS	MACH NUMBERS									
		A	B	SD					0.9	1.1	2.2	4.5						
RD7901	B1	0	A	—				4	117	116	170	169						
902	B2	0	A	—				4	120	121	172	166						
903	B2S	0	A	—				4	123	122	173	167						
904	B3	0	A	—				4	119	118	171	168						
905	B4	0	A	—				4	113	112	188	195						
9A1	B1	0	A	—				4	117	116	170	169						
9A2	B2	0	A	—				4	120	121	172	166						
9A3	B2S	0	A	—				4	123	122	173	167						
9A4	B3	0	A	—				4	119	118	171	168						
9A5	B4	0	A	—				4	113	112	188	195						
9B1	B1	0	A	—				4	117	116	170	169						
9B2	B2	0	A	—				4	120	121	172	166						
9B3	B2S	0	A	—				4	123	122	173	167						
9B4	B3	0	A	—				4	119	118	171	168						
9B5	B4	0	A	—				4	113	112	188	195						

1 7 13 19 25 31 37 43 49 55 61 67 7576
 CN CY CA CAE CBL CLM CYN MACH BETA 7
 COEFFICIENTS: IDPVAR(1) IDPVAR(2) NDV

a or b
 SCHEDULES

TABLE 3. MODEL COMPONENT DESCRIPTIONS

MODEL COMPONENT: BODY - B₁ , B₂GENERAL DESCRIPTION: 040A Orbiter BodyB₁ INCLUDES CANOPYB₂ WITHOUT CANOPYDRAWING NUMBER: JLP SDD 9-24-71DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, inch	<u>1315.</u>	<u>7.89</u>
Max. Width, inch	<u>204.</u>	<u>1.224</u>
Max. Depth , inch	<u>238.</u>	<u>1.427</u>
Fineness Ratio	<u>7.07</u>	<u>7.07</u>
Areas, inch		
Max. Cross-Sectional	<u>306.2 ft²</u>	<u>1.590 in.²</u>
Planform	<u>1676. ft²</u>	<u>8.68 in.²</u>
Wetted	<u>6530. ft²</u>	<u>33.8 in.²</u>
Base	<u>298. ft²</u>	<u>1.546 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: WING, W1GENERAL DESCRIPTION: 040A Orbiter clipped delta wingDRAWING NUMBER: JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA, INCLUDES ELEVONS

Area		
Planform	3155.3 ft ²	16.37 in. ²
Wetted	5360. ft ²	27.8 in. ²
Span (equivalent), inch	882.	5.292
Aspect Ratio	1.712	1.712
Rate of Taper	--	--
Taper Ratio	.1486	.1486
Diehedral Angle, degrees	7.0	7.0
Incidence Angle, degrees	1.5	1.5
Aerodynamic Twist, degrees	0	0
Toe-In Angle	--	--
Cant Angle	--	--
Sweep Back Angles, degrees		
Leading Edge	60.	60.
Trailing Edge	0	0
0.25 Element Line	52.4	52.4
Chords: inch		
Root (Wing Sta. 0.0)	897.	5.38
Tip, (equivalent) (Y = 441)	133.3	.800
MAC	609.5	3.657
Fus. Sta. of .25 MAC	X 1057.5	6.36
W.P. of .25 MAC	Z 302.3	1.812
B.L. of .25 MAC	Y 165.7	.996
Airfoil Section		
Root	NACA 0003-64	NACA 0008-64
Tip	NACA 0003-64	NACA 0008-64

EXPOSED DATA, INCLUDES ELEVONS

Area	2010. ft ²	14.45 in. ²
Span, (equivalent), inch	678.	4.07
Aspect Ratio	1.590	1.590
Taper Ratio	.1850	.1850
Chords, inch		
Root (Y102)	720.	4.32
Tip (Y441)	133.3	.800
MAC	494.	2.97
Fus. Sta. of .25 MAC	X 1145.5	6.87
W.P. of .25 MAC	Z 308.1	1.87
B.L. of .25 MAC	Y 232.8	1.397

TABLE 3. (CONTINUED)

MODEL COMPONENT: ELEVONSGENERAL DESCRIPTION: _____

_____DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS: (FOR BOTH ELEVONS)FULL-SCALEMODEL SCALE

Area	<u>456. ft²</u>	<u>2.36 in.²</u>
Span (equivalent), INCH	<u>556.</u>	<u>3.33</u>
Inb'd equivalent chord, INCH	<u>118.</u>	<u>.708</u>
Outb'd equivalent chord, INCH	<u>118.</u>	<u>.708</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.1662</u>	<u>.1662</u>
At Outb'd equiv. chord	<u>.517</u>	<u>.517</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0</u>	<u>0</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>0</u>	<u>0</u>
Area Moment (Normal to hinge line)	<u>2240. ft³</u>	<u>.835 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: VERTICAL FIN. VIGENERAL DESCRIPTION: 040A Orbiter Vertical Fin. Both leading and trailing edges swept.

DRAWING NUMBER:

JLP SDD 9-24-71

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA, INCLUDES RUDDER, EXCLUDES TIP POD

Area

Planform

342. ft²1.772 in.²

Netted

684. ft²3.55 in.²

Span (equivalent)

246.2

1.480

Aspect Ratio

1.228

1.228

Rate of Taper

--

--

Taper Ratio

.374

.374

Dihedral Angle, degrees

--

--

Incidence Angle, degrees

0

0

Aerodynamic Twist, degrees

0

0

Toe-In Angle

--

--

Cant Angle

--

--

Sweep Back Angles, degrees

Leading Edge

45.

45.

Trailing Edge

15.

15.

0.25 Element Line

40.75

40.75

Chords: INCH

Root (X=0, Y=0, Z=500)

291.6

1.750

Tip, (equivalent) (Z 746.2)

109.0

.654

MAC

214.0

1.284

Fus. Sta. of .25 MAC

X 1422.7

--

W.P. of .25 MAC

Z 604.2

--

B.L. of .25 MAC

0

--

Airfoil Section

Root

NACA 0012-64

NACA 0012-64

Tip

4 " "

" " "

EXPOSED DATA

Area

Span, (equivalent)

Aspect Ratio

Taper Ratio

Chords

Root

Tip

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

SAME
AS
ABOVE

TABLE 3. (CONTINUED)

MODEL COMPONENT: RUDDER- R1GENERAL DESCRIPTION: _____

_____DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALE

Area

135.6 ft².702 in.²

Span (equivalent), INCH

246.31.475

Inb'd equivalent chord, INCH

115..690

Outb'd equivalent chord, INCH

43.8.263Ratio movable surface chord/
total surface chord

At Inb'd equiv. chord

.40.40

At Outb'd equiv. chord

.40.40

Sweep Back Angles, degrees

Leading Edge

29.129.1

Trailing Edge

15.015.0

Hingeline

29.129.1

Area Moment (Normal to hinge line)

448. ft³.145 in.³

TABLE 3. (CONTINUED)

MODEL COMPONENT: VERTICAL TAIL - V2GENERAL DESCRIPTION: Centerline Stabilizer

DRAWING NUMBER:

NR

DIMENSIONS:

FULL-SCALEMODEL SCALETOTAL DATA

Area

Planform

Wetted

Span (equivalent)

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Toe-In Angle

Cant Angle

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Root (Wing Sta. 0.0)

Tip, (equivalent)

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section

Root

Tip

EXPOSED DATA

Area

Span, (equivalent)

Aspect Ratio

Taper Ratio

Chords

Root

Tip

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

69,837.3 in²2.514 in²

369.17 in

2.215 in

1.95

1.95

0.3137

.3137

288.0 in

1.728 in

90.35 in

0.542 in

206.38 in

1.238 in

1469.04

8.814

652.44

3.915

0

0

TABLE 3. (CONTINUED)

MODEL COMPONENT: RUDDER R₂

GENERAL DESCRIPTION: _____

DRAWING NUMBER: _____

DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>181 ft²</u>	<u>.939 in²</u>
Span (equivalent)	<u>346 in</u>	<u>2.073 in</u>
Inb'd equivalent chord	<u>115 in</u>	<u>.691 in</u>
Outb'd equivalent chord	<u>36 in</u>	<u>.217 in</u>
Ratio Elevator chord/horizontal tail chord		
At Inb'd equiv. chord	<u>.40</u>	<u>.40</u>
At Outb'd equiv. chord	<u>.40</u>	<u>.40</u>
Sweep Back Angles, degrees		
Leading Edge	<u>32°</u>	<u>32°</u>
Tailing Edge	<u>21°</u>	<u>21°</u>
Hingeline	<u>32°</u>	<u>32°</u>
Area Moment (Normal to hinge line)	<u>569 ft³</u>	<u>.212 in³</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - ACPS ENGINE POD . P1GENERAL DESCRIPTION: Blunt pod mounted on both wing tips.DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALE

Length, inch

165..990

Max. Width, inch

55..330

Max. Depth, inch

28..168

Fineness Ratio

----Areas, in.²

Max. Cross-Sectional

1540..0555

Planform

8280..298

Wetted

15,800..568

Base

1540..0555

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - OMS ENGINE POD, MIGENERAL DESCRIPTION: Pods mounted on both sides of aft end of fuselage.DRAWING NUMBER:JLP SDD 9-24-71DIMENSIONS:FULL-SCALEMODEL SCALE

Length, inch

251.1.509

Max. Width, inch

42.8.257

Max. Depth, inch

59.0.354

Fineness Ratio

----Areas, in.²

Max. Cross-Sectional

1828..0658

Planform

9880..356

Wetted

25,400..915

Base

1807..0651

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - HO Tank - T₂

GENERAL DESCRIPTION: _____

Blunt cone-cylinder centerline tank with aft boat tail. $\theta_{\text{cone}} = 10^\circ$. Nose radius = 22 in. full-scale.Diameter at base = 274 in. full-scale.DRAWING NUMBER: _____DIMENSIONS:FULL-SCALEMODEL SCALE

Length

2022 in.12.133 in.

Max. Width

301 in.1.806 in.

Dia.

Max. Depth

301 in.1.806 in.

Fineness Ratio

6.736.73

Area

Max. Cross-Sectional

494 ft²2.562 in.²

Planform

Wetted

Base

422 ft²2.125 in.²

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - H0 Tank - T₁

GENERAL DESCRIPTION: _____

Blunt cone-cylinder centerline tank with aft boat tail. $\theta_{\text{cone}} = 15^\circ$. Nose radius = 22 in. full-scale.Diameter at base = 274 in. full-scale.DRAWING NUMBER: _____DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1867 in.</u>	<u>11.205 in.</u>
Max. Width	<u>301 in.</u>	<u>1.806 in.</u>
Max. Depth Dia.	<u>301 in.</u>	<u>1.806 in.</u>
Fineness Ratio	<u>6.2</u>	<u>6.2</u>
Area		
Max. Cross-Sectional	<u>494 ft²</u>	<u>2.562 in.²</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base	<u>422 ft²</u>	<u>2.125 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - HO Tank - T₃

GENERAL DESCRIPTION: _____

Blunt cone-cylinder centerline tank with aft boat tail. θ cone = 10°. Nose radius = 22 in. full-scale.Diameter at base = 304 in. full-scale.DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1914 in.</u>	<u>11.442 in.</u>
Max. Width	<u>323.5 in.</u>	<u>1.941 in.</u>
Dia.		
Max. Depth	<u>323.5 in.</u>	<u>1.941 in.</u>
Fineness Ratio	<u>5.92</u>	<u>5.92</u>
Area		
Max. Cross-Sectional	<u>587 ft²</u>	<u>2.959 in.²</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base	<u>518 ft²</u>	<u>2.613 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - HO-TANK-T₄GENERAL DESCRIPTION: Blunt Cone-Cylinder Centerline Tank with Aft Boat Tail $\theta_{\text{Cone}} = 20^\circ$. Nose Radius = 22 In. Full-Scale. Maximum Diameter = 334 In.Full Scale.DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1700 In.</u>	<u>10.200 In.</u>
Max. Width	<u>334 In.</u>	<u>2.004 In.</u>
Dia.		
Max. Depth	<u>334 In.</u>	<u>2.004 In.</u>
Fineness Ratio	<u>5.09</u>	<u>5.09</u>
Area		
Max. Cross-Sectional	<u>608 Ft.²</u>	<u>3.154 In.²</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base	<u>537 Ft.²</u>	<u>2.785 In.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: TANK VENTRAL FIN, F₁GENERAL DESCRIPTION: Single Fin Mounted on Tank, T₄.Fin has no movable surface.DRAWING NUMBER: _____DIMENSIONS:FULL-SCALEMODEL SCALE

Area	<u>337 Ft.²</u>	<u>1.747 In.²</u>
Span (equivalent)	<u>237 In.</u>	<u>1.420 In.</u>
Inb'd equivalent chord	<u>323 In.</u>	<u>1.940 In.</u>
Outb'd equivalent chord	<u>87 In.</u>	<u>0.520 In.</u>
Ratio Elevator chord/horizontal tail chord		
At Inb'd equiv. chord	<u>---</u>	<u>---</u>
At Outb'd equiv. chord	<u>---</u>	<u>---</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45</u>	<u>45</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>---</u>	<u>---</u>
Area Moment (Normal to hinge line)	<u>---</u>	<u>---</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B₇

GENERAL DESCRIPTION: Parallel burn version of recoverable pressure-fed booster (RPFB). Blunt cone-cylinder with afterbody flare. $\theta_{\text{cone}} = 20^\circ$. $\theta_{\text{flare}} = 15^\circ$. Nose radius = 22 in. full-scale.

DRAWING NUMBER: _____DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1799 in.10.792 in.

Dia. Body

206 in.1.236 in.

Max. Dia. Flare

402 in.2.412 in.

Fineness Ratio

8.738.73

Area

Cross-Sectional (Body)

231 ft²1.200 in.²

Planform

Wetted

Base (flare)

901 ft²4.539 in.²

TABLE 3. (CONTINUED)

MODEL COMPONENT: CODY - Booster, B SGENERAL DESCRIPTION: Pressure-Fed BoosterDRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1799 In.</u>	<u>10.792 In.</u>
Dia. Body	<u>206 In.</u>	<u>1.236 In.</u>
Max. Dia. Flare	<u>624 In.</u>	<u>3.744 In.</u>
Fineness Ratio	<u>8.73</u>	<u>8.73</u>
Area		
Max. Cross-Sectional (Body)	<u>231 Ft²</u>	<u>1.200 In.²</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>2125 Ft²</u>	<u>11.0093 In.²</u>

TABLE 3.. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B₁S₂GENERAL DESCRIPTION: Pressure-Fed Booster

DRAWING NUMBER: _____

DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1799 In.10.792 In.

Dia. Body

206 In.1.236 In.

Max. Dia. Flare

936.3 In.5.618 In.

Fineness Ratio

8.738.73

Area

Max. Cross-Sectional (Body)

231 Ft²1.200 In.²

Planform

Wetted

Base (Flare)

4785 Ft²24.7887 In.²

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B₂

GENERAL DESCRIPTION: _____

SRM Booster . Blunt cone-cylinder. θ cone = 20°. Nose radius = 15.67 in.
 full-scale.

DRAWING NUMBER: _____

<u>DIMENSIONS:</u>		<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length		<u>1775 in.</u>	<u>10.633 in.</u>
Max. Width	Dia.	<u>156 in.</u>	<u>0.936 in.</u>
Max. Depth		<u>156 in.</u>	<u>0.936 in.</u>
Fineness Ratio		<u>11.37</u>	<u>11.37</u>
Area			
Max. Cross-Sectional		<u>137.8 ft²</u>	<u>0.694 in.²</u>
Planform		<u>---</u>	<u>---</u>
Wetted		<u>---</u>	<u>---</u>
Base		<u>137.8 ft²</u>	<u>0.694 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B₂S

GENERAL DESCRIPTION: _____

SRM Booster , B₂ booster with 15° afterbody flare. Nose radius = 16.67
in. full-scale.

DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1775 in.</u>	<u>10.633 in.</u>
Dia. Body	<u>156 in.</u>	<u>0.936 in.</u>
Max. Dia. Flare	<u>275 in.</u>	<u>1.650 in.</u>
Fineness Ratio	<u>11.37</u>	<u>11.37</u>
Area		
Cross Sectional (Body)	<u>137.8 ft²</u>	<u>0.694 in.²</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>428 ft²</u>	<u>2.158 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B₃GENERAL DESCRIPTION: Parallel burn version of recoverable pressure-fed booster (RPFB). Blunt cone-cylinder with afterbody flare. θ cone = 15°.Nose radius - 22 in. full-scale. θ Flare = 15°DRAWING NUMBER: _____DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1800 in.</u>	<u>10.800 in.</u>
Dia. Body	<u>206 in.</u>	<u>1.236 in.</u>
Max. Dia. Flare	<u>402 in.</u>	<u>2.412 in.</u>
Fineness Ratio	<u>8.74</u>	<u>8.74</u>
Area		
Cross-Sectional (Body)	<u>231 ft²</u>	<u>1.200 in.²</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>902 ft²</u>	<u>4.545 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster - B₄

GENERAL DESCRIPTION: Parallel burn version of recoverable pressure-fed
booster (RPFB). Blunt cone-cylinder with afterbody flare. $\theta_{\text{cone}} = 20^\circ$.
 $\theta_{\text{flare}} = 5^\circ$. Nose radius = 22 in. full scale.

DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1503 in.</u>	<u>9.025 in.</u>
Dia. Body	<u>247 in.</u>	<u>1.483 in.</u>
Max. Dia. Flare	<u>318 in.</u>	<u>1.909 in.</u>
Fineness Ratio	<u>6.09</u>	<u>6.09</u>
Area		
Cross-Sectional (Body)	<u>343 ft²</u>	<u>1.727 in.²</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base (Flare)	<u>568 ft²</u>	<u>2.865 in.²</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: Fin, F₄GENERAL DESCRIPTION: Single fin mounted on each B₄ booster flare.Roll-out angle is 45° down. Fin has no movable surface.

DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area (exposed planform, 1 fin)	<u>503 ft²</u>	<u>2.610 in²</u>
Span (equivalent, to booster C _L)	<u>424 in</u>	<u>2.544 in</u>
Inb'd equivalent chord	<u>410 in</u>	<u>2.460 in</u>
Outb'd equivalent chord	<u>110 in</u>	<u>0.660 in</u>
Ratio Elevator chord/horizontal tail chord		
At Inb'd equiv. chord	<u>---</u>	<u>---</u>
At Outb'd equiv. chord	<u>---</u>	<u>---</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45</u>	<u>45</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>---</u>	<u>---</u>
Area Moment (Normal to hinge line)	<u>---</u>	<u>---</u>

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B₅GENERAL DESCRIPTION: Pressure-Fed BoosterDRAWING NUMBER: _____DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1799 In.10.792 In.

Dia. Body

206 In.1.236 In.

Max. Dia. Flare

319.3 In.1.916 In.

Fineness Ratio

8.738.73

Area

Max. Cross-Sectional (Body)

231 Ft²1.200 In.²

Planform

Wetted

Base (Flare)

557 Ft²2.88 In.²

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B6

GENERAL DESCRIPTION: SRM Booster

DRAWING NUMBER _____

DIMENSION:

FULL SCALE

MODEL SCALE

Length

1613 in.

9.673 in.

Dia. (Body)

156 in.

0.936 in.

Max Depth

156 in.

0.936 in.

Fineness Ratio

10.35

10.35

Area

Max Cross-Sectional

137.8 ft²

0.694 in²

Planform

Wetted

Base (Nozzle)

95.4 ft²

0.481 in²

TABLE 3. (CONTINUED)

MODEL COMPONENT: BODY - Booster, B₇GENERAL DESCRIPTION: 120" Dia. SRMDRAWING NUMBER: _____DIMENSIONS:FULL-SCALEMODEL SCALE

Length

1403 In.8.418 In.

Dia. Body

120 In.0.72 In.

Max. Dia. Flare

Fineness Ratio

11.711.7

Area

Max. Cross-Sectional (Body)

79.3 Ft²0.408 In.²

Planform

Wetted

Base

79.3 Ft²0.408 In.²

TABLE 3. (CONCLUDED)

MODEL COMPONENT: BODY - TVC Tank A1 for B₇GENERAL DESCRIPTION: Thrust Vectoring Fuel TankDRAWING NUMBER: _____DIMENSIONS:FULL-SCALEMODEL SCALE

Length

381.8 In.2.291 In.

Dia. Body

42 In.0.252 In.

Max. Dia. Flare

Fineness Ratio

9.089.08

Area

Max. Cross-Sectional (Body)

9.65 Ft²0.05 In.²

Planform

Wetted

Base

TABLE 4.

Plume Definition

$$M = 1.5$$

$\frac{B_1}{r_e = 187 \text{ in.}}$		$\frac{B_6}{r_e = 66 \text{ in.}}$		$\frac{O_1 (3 \text{ Eng. -HiPc})}{r_e = 92.5 \text{ in.}}$	
x/r_e	r/r_e	x/r_e	r/r_e	x/r_e	r/r_e
0	1.00	0	1.00	0	1.0
0.5	1.17	0.5	1.23	0.5	1.0
1.0	1.22	1.0	1.48	1.0	1.0
1.5	1.23	1.5	1.70	1.5	1.0
2.0	1.20	2.0	1.88	2.0	1.0
		2.5	2.00		
		3.0	2.11		

$$M = 2.2$$

$\frac{B_6}{r_e = 66 \text{ in.}}$		$\frac{O_1 (3 \text{ Eng. -HiPc})}{r_e = 118 \text{ in.}}$	
x/r_e	r/r_e	x/r_e	r/r_e
0	1.00	0	1.00
0.5	1.33	0.5	1.10
1.0	1.62	1.0	1.20
1.5	1.88	1.5	1.26
2.0	2.13	2.0	1.33
2.5	2.33	2.5	1.41
3.0	2.51	3.0	1.47
4.0	2.84	4.0	1.57
5.0	3.12	5.0	1.62
6.0	3.35	6.0	1.65
7.0	3.55	7.0	1.66
8.0	3.72	8.0	1.64
9.0	3.87		
10.0	3.97		
11.0	4.03		
12.0	4.11		
13.0	4.15		
14.0	4.17		

TABLE 4, cont.

M = 2.5

$\frac{B_1}{r_e} = 187 \text{ in.}$		$\frac{O_1 (4 \text{ Eng. - J2S})}{r_e} = 89 \text{ in.}$	
x/r _e	r/r _e	x/r _e	r/r _e
0	1.00	0	1.00
0.5	1.34	0.5	1.21
1.0	1.53	1.0	1.34
1.5	1.77	1.5	1.46
2.0	1.91	2.0	1.56
2.5	2.03	2.5	1.61
3.0	2.13	3.0	1.67
4.0	2.30	4.0	1.71
5.0	2.30	5.0	1.75
6.0	2.23		

B7

M = 1.5

$r_e = 60 \text{ in.}$		$r_e = 60 \text{ in.}$	
x/r _e	r/r _e	x/r _e	r/r _e
0	1.00	0	1.00
0.026	1.01	0.04	1.02
0.100	1.05	0.17	1.09
0.240	1.10	0.23	1.12
0.320	1.14	0.30	1.16
0.430	1.18	0.38	1.20
0.680	1.27	0.48	1.24
1.000	1.34	0.58	1.29
1.400	1.50	0.70	1.34
1.870	1.61	0.83	1.40
2.430	1.72	1.13	1.52
3.410	1.87	1.30	1.60
4.150	1.94	1.69	1.73
4.970	1.98	2.13	1.87
5.830	2.00	2.64	2.02
		3.22	2.17
		3.87	2.31
		4.58	2.45
		5.36	2.57

TABLE 5.
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TITLE	PIOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effects of a B1 Booster on (01)T1B1 at Beta = 0	A	Ascent Configuration Booster Isolation	I/1-50
Longitudinal Effects of a B1 Booster on (01)T1B1 at Beta = 6	A	Ascent Configuration Booster Isolation	I/51-80
Lateral-Directional Effects of a B1 Booster on (01)T1B1 at Beta = 0	B	Ascent Configuration Booster Isolation	I/81-95
Lateral-Directional Effects of a B1 Booster on (01)T1B1 at Beta = 6	B	Ascent Configuration Booster Isolation	I/96-104
Lateral-Directional Effects of a B1 Booster on (01)T1B1 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	I/105-110
Longitudinal Effects of a B1 Booster on (01)T1B1 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	I/111-120
Effect of Beta on Longitudinal Characteristics of 01T1B1	A	Beta	I/121-180
Effect of Beta on Lateral-Directional Characteristics of 01T1B1	B	Beta	I/181-198
Lateral-Directional Characteristics of Configuration 01T1B1 with Beta at Alpha = 0	C		I/199-218
Aileron Effectiveness of Configuration (01)T1B1 at Beta = 0	B	Aileron Deflection	I/219-236
Aileron Effectiveness of Configuration 01T1B1 at Beta = 0	B	Aileron Deflection	I/237-239
Variation of Aileron Control at Alpha = 0 with Beta of 01T1B1	C	Aileron Deflection	I/240-243
Longitudinal Effects of a B2 Booster on (01)T1B2 at Beta = 6	A	Ascent Configuration Booster Isolation	I/244-303

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Lateral-Directional Effects of a B2 Booster on (01)TLB2 at Beta = 6	B	Ascent Configuration Booster Isolation	I/304-309
Effect of Beta on Longitudinal Characteristics of 01TLB2	A	Beta	I/310-369
Effect of Beta on Lateral-Directional Characteristics of 01TLB2	B	Beta	I/370-387
Effect of Beta on Longitudinal Characteristics of 01TLB2S	A	Beta	I/388-447
Effect of Beta on Lateral-Directional Characteristics of 01TLB2S	B	Beta	I/448-465
Longitudinal Effects of a B3 Booster on (01)TLB3 at Beta = 0	A	Ascent Configuration Booster Isolation	I/466-525
Longitudinal Effects of a B3 Booster on (01)TLB3 at Beta = 6	A	Ascent Configuration Booster Isolation	I/526-545
Lateral-Directional Effects of a B3 Booster on (01)TLB3 at Beta = 0	B	Ascent Configuration Booster Isolation	I/546-557
Lateral-Directional Effects of a B3 Booster on (01)TLB3 at Beta = 6	B	Ascent Configuration Booster Isolation	I/558-563
Lateral-Directional Effects of a B3 Booster on (01)TLB3 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	I/564-569
Longitudinal Effects of a B3 Booster on (01)TLB3 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	I/570-579

TABLE 6. (CONTINUED)

TITLE	PIOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effects of a B ₄ Booster on (01)TLB ₄ at Beta = 0	A	Ascent Configuration Booster Isolation	I/580-639
Longitudinal Effects of a B ₄ Booster on (01)TLB ₄ at Beta = 6	A	Ascent Configuration Booster Isolation	I/640-659
Lateral-Directional Effects of a B ₄ Booster on (01)TLB ₄ at Beta = 0	B	Ascent Configuration Booster Isolation	I/660-674
Lateral-Directional Effects of a B ₄ Booster on (01)TLB ₄ at Beta = 6	B	Ascent Configuration Booster Isolation	I/675-680
Lateral-Directional Effects of a B ₄ Booster on (01)TLB ₄ with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	I/681-689
Longitudinal Effects of a B ₄ Booster on (01)TLB ₄ with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	I/690-704
Longitudinal Effects of a B ₅ Booster on (01)TLB ₅ at Beta = 6	A	Ascent Configuration Booster Isolation	I/705-724
Lateral-Directional Effects of a B ₅ Booster on (01)TLB ₅ at Beta = 6	B	Ascent Configuration Booster Isolation	I/725-730
Longitudinal Effects of a B ₅ Booster on (01V1)TLB ₅ at Beta = 0	A	Ascent Configuration Booster Isolation	I/731-790
Longitudinal Effects of a B ₅ Booster on (01V1)TLB ₅ at Beta = 6	A	Ascent Configuration Booster Isolation	I/791-800
Lateral-Directional Effects of a B ₅ Booster on (01V1)TLB ₅ at Beta = 0	B	Ascent Configuration Booster Isolation	I/801-812
Lateral-Directional Effects of a B ₅ Booster on (01V1)TLB ₅ at Beta = 6	B	Ascent Configuration Booster Isolation	I/813-815
Lateral-Directional Effects of a B ₅ Booster on (01V1)TLB ₅ with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	I/816-824

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effects of a B5 Booster on (01V1)TLB5 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	I/825-839
Longitudinal Characteristics of (01)TLB6 at Beta = 0	A	Mach No.	I/840-849
Lateral-Directional Characteristics of (01)TLB6 at Alpha = 0	C	Mach No.	I/850-853
Longitudinal Characteristics of (01)TLB6 with Ailerons = 20 at Beta = 0	A	Mach No.	I/854-863
Lateral-Directional Characteristics of (01)TLB6 with Ailerons = 20 at Beta = 0	B	Mach No.	I/864-866
Lateral-Directional Characteristics of (01)TLB6 with Ailerons = 20 at Alpha = 0	D	Mach No.	I/867-869
Longitudinal Characteristics of (01)TLB6 with Ailerons = 20 at Alpha = 0	E	Mach No.	I/870-874
Tank Nose Cone Effect on Longitudinal Characteristics of Configuration (01)TLB1 at Beta = 0	A	Configuration	I/875-904
Longitudinal Effects of a B1 Booster on (01)TLB1 at Beta = 6	A	Ascent Configuration Booster Isolation	I/905-914
Lateral-Directional Effects of a B1 Booster on (01)TLB1 at Beta = 6	B	Ascent Configuration Booster Isolation	I/915-917
Tank Nose Cone Effect on Longitudinal Characteristics of Configuration (01V1)TLB5 at Beta = 0	A	Configuration	I/918-947
Tank Nose Cone Effect on Lateral-Directional Characteristics of Configuration (01V1)TLB5 at Alpha = 0	C	Configuration	I/948-959

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effect of Tank T2 Longitudinal Position on (01)T2B1 at Beta = 0	A	Configuration	I/960-989
Longitudinal Effects of a B1 Booster on (01)T2AB1 at Beta = 6	A	Ascent Configuration Booster Isolation	I/990-999
Lateral-Directional Effects of a B1 Booster on (01)T2AB1 at Beta = 6	B	Ascent Configuration Booster Isolation	I/1000-1002
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 at Beta = 0	A	Configuration	I/1003-1032
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 at Beta = 0	A	Configuration	I/1033-1062
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 with Beta at Alpha = 0	C	Configuration	I/1063-1074
Effect of Tank T2 Longitudinal Position on (01V1)T2B5 with Beta at Alpha = 0	C	Configuration	I/1075-1082
Longitudinal Effects of a B1 Booster on (01)T3B1 at Beta = 0	A	Ascent Configuration Booster Isolation	II/1-40
Longitudinal Effects of a B1 Booster on (01)T3B1 at Beta = 6	A	Ascent Configuration Booster Isolation	II/41-60
Lateral-Directional Effects of a B1 Booster on (01)T3B1 at Beta = 0	B	Ascent Configuration Booster Isolation	II/61-72
Lateral-Directional Effects of a B1 Booster on (01)T3B1 at Beta = 6	B	Ascent Configuration Booster Isolation	II/73-78
Lateral-Directional Effects of a B1 Booster on (01)T3B1 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	II/79-84

TABLE 6. (CONTINUED)

TITLE	PLOTTED		CONDITIONS VARYING	VOLUME PAGE NO.
	COEFFICIENTS	SCHEDULE		
Longitudinal Effects of a B1 Booster on (01)T3B1 with Beta at Alpha = 0	E		Ascent Configuration Booster Isolation	II/85-99
Longitudinal Effects of a B2 Booster on (01)T3B2 at Beta = 0	A		Ascent Configuration Booster Isolation	II/100-139
Lateral-Directional Effects of a B2 Booster on (01)T3B2 at Beta = 0	B		Ascent Configuration Booster Isolation	II/140-151
Lateral-Directional Effects of a B2 Booster on (01)T3B2 with Beta at Alpha = 0	C		Ascent Configuration Booster Isolation	II/152-157
Longitudinal Effects of a B2 Booster on (01)T3B2 with Beta at Alpha = 0	E		Ascent Configuration Booster Isolation	II/158-167
Longitudinal Characteristics of Configuration 01T3B2 at Beta = 0	A			II/168-177
Longitudinal Characteristics of Configuration 01T3B2 at Beta = 6	A		Mach No.	II/178-187
Lateral-Directional Characteristics of Configuration 01T3B2 at Beta = 6	B		Mach No.	II/188-190
Longitudinal Effects of a B3 Booster on (01)T3B3 at Beta = 0	A		Ascent Configuration Booster Isolation	II/191-230
Longitudinal Effects of a B3 Booster on (01)T3B3 at Beta = 6	A		Ascent Configuration Booster Isolation	II/231-240
Lateral-Directional Effects of a B3 Booster on (01)T3B3 at Beta = 0	B		Ascent Configuration Booster Isolation	II/241-252
Lateral-Directional Effects of a B3 Booster on (01)T3B3 at Beta = 6	B		Ascent Configuration Booster Isolation	II/253-255

TABLE 6. (CONTINUED)

TITLE	PICTURED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Lateral-Directional Effects of a B3 Booster on (01)T3B3 with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	II/256-261
Longitudinal Effects of a B3 Booster on (01)T3B3 with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	II/262-271
B3 Boosters Contribution to Longitudinal Characteristics of (01)T3B3 at Beta = 0	A	Configuration	II/272-321
B3 Boosters Contribution to Lateral-Directional Characteristics of (01)T3B3 at Alpha = 0	C	Configuration	II/322-333
Effect of Beta on Longitudinal Characteristics of 01T3B4	A	Beta	II/334-394
Effect of Beta on Lateral-Directional Characteristics of 01T3B4	B	Beta	II/394-411
Lateral-Directional Characteristics of 01T3B4 with Beta at Alpha = 0 and 6	C	Alpha	II/412-435
Lateral-Directional Characteristics of Configuration (01)T3B4 with Beta at Alpha = 0	C		II/436-439
Aileron Effectiveness of Configuration 01T3B4 at Beta = 0	B	Aileron Deflection	II/440-457
Aileron Effectiveness of Configuration (01)T3B4 at Beta = 0	B	Aileron Deflection	II/458-460
Effects of Alpha on Rudder Effectiveness of Configuration 01T3B4 at Beta = 0	B	Rudder Deflection	II/461-478
Effects of Alpha on Rudder Effectiveness of Configuration (01)T3B4 at Beta = 0	B	Rudder Deflection	II/479-481
Effect of Booster Fin F4 on Longitudinal Characteristics of 01T3B4 at Beta = 0	A	Configuration	II/482-541

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effect of Booster Fin F ₄ on Longitudinal Characteristics of (01)T _{3B4} at Beta = 0	A	Configuration	II/542-551
Effect of Booster Fin F ₄ on Longitudinal Characteristics of (01)T _{3B4} at Beta = 6	A	Configuration	II/552-611
Effect of Booster Fin F ₄ on Lateral-Directional Characteristics of (01)T _{3B4} at Beta = 6	B	Configuration	II/612-629
Longitudinal Effects of a B5 Booster on (01V1)T _{3B5} at Beta = 0	A	Ascent Configuration Booster Isolation	II/630-669
Longitudinal Effects of a B5 Booster on (01V1)T _{3B5} at Beta = 6	A	Ascent Configuration Booster Isolation	II/670-679
Lateral-Directional Effects of a B5 Booster on (01V1)T _{3B5} at Beta = 0	B	Ascent Configuration Booster Isolation	II/680-691
Lateral-Directional Effects of a B5 Booster on (01V1)T _{3B5} at Beta = 6	B	Ascent Configuration Booster Isolation	II/692-694
Lateral-Directional Effects of a B5 Booster on (01V1)T _{3B5} with Beta at Alpha = 0	D	Ascent Configuration Booster Isolation	II/695-700
Longitudinal Effects of a B5 Booster on (01V1)T _{3B5} with Beta at Alpha = 0	E	Ascent Configuration Booster Isolation	II/701-710
Effects of Beta on Longitudinal Characteristics of (01)T _{4B7A1-4}	A	Beta	III/1-60
Effects of Beta on Lateral-Directional Characteristics of (01)T _{4B7A1-4}	B	Beta	III/61-78

TABLE 6. (CONTINUED)

TITLE	COEFFICIENTS PLOTTED SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Characteristics of Configuration 01T ₄ B7A1-4 at Beta = 0	A	Mach No.	III/79-88
Lateral-Directional Characteristics of Configuration 01T ₄ B7A1-4 at Alpha = 0	C	Mach No.	III/89-92
Aileron Effectiveness of Configuration (01)T ₄ B7A1-4 at Beta = 0	B	Aileron Deflection	III/93-110
Aileron Effectiveness of Configuration (01)T ₄ B7A1-4 at Beta = 6	B	Aileron Deflection	III/111-128
Effects of Beta on Aileron Control of Configuration (01)T ₄ B7A1-4 at Alpha = 0	C	Aileron Deflection	III/129-152
Effects of Aileron on Longitudinal Characteristics of Configuration (01)T ₄ B7A1-4 at Beta = 6	A	Aileron Deflection	III/153-212
Effects of Alpha on Rudder Control of Configuration (01)T ₄ B7A1-4 at Beta = 0	B	Rudder Deflection	III/213-230
Rudder Effectiveness of Configuration (01)T ₄ B7A1-4 at Alpha = 0	C	Rudder Deflection	III/231-254
Effects of Beta on Lateral-Directional Characteristics of (01)T ₄ B7A1-4 with Rudder = 10	B	Beta	III/255-272
Effects of Alpha on Longitudinal Characteristics of (01)T ₄ B7A1-4 at Beta = 0	A	Configuration	III/273-302
Effects of Alpha on Lateral-Directional Characteristics of (01)T ₄ B7A1-4 at Alpha = 0	C	Configuration	III/303-314
Effects of Fin F1 on Longitudinal Characteristics of Configuration 01T ₄ B7A1-4 at Beta = 0	A	Configuration	III/315-334

TABLE 6. (CONTINUED)

TITLE	PICTURED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effects of Fin F1 on Lateral-Directional Characteristics on Configuration 01T ₄ B7A1-4 at Alpha = 0	C	Configuration	III/335-342
Effects of Fin F1 on Longitudinal Characteristics of Configuration T ₄ B7A1-4 at Beta = 0	A	Configuration	III/343-402
Effects of Fin F1 on Lateral-Directional Characteristics on Configuration T ₄ B7A1-4 at Alpha = 0	C	Configuration	III/403-426
Effects of B7A1-4 on Longitudinal Characteristics of Configuration (01)T ₄ B7A1-4 at Beta = 0	A	Configuration	III/427-486
Effects of B7A1-4 on Lateral-Directional Characteristics of Configuration (01)T ₄ B7A1-1 at Alpha = 0	C	Configuration	III/487-510
Comparison of the Longitudinal Characteristics of (01)T ₄ B7A1-4 and (01)T ₄ B7A1-5 at Beta = 0	A	Configuration	III/511-570
Comparison of the Lateral-Directional Characteristics of (01)T ₄ B7A1-4 and (01)T ₄ B7A1-5 at Beta = 6	B	Configuration	III/571-588
Comparison of the Lateral-Directional Characteristics of (01)T ₄ B7A1-4 and (01)T ₄ B7A1-5 at Alpha = 0	C	Configuration	III/589-612
Effects of Beta on Longitudinal Characteristics of (01)T ₄ B7A1-5	A	Beta	III/613-672
Effects of Beta on Lateral-Directional Characteristics of (01)T ₄ B7A1-5	B	Beta	III/673-690
Longitudinal Effect of Exhaust Plumes on Configuration 01T ₄ B1 at Beta = 0	A	Plume	IV/ 1-20
Longitudinal Effect of Exhaust Plumes on Configuration 01T ₄ B1 at Beta = 6	A	Plume	IV/21-30

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Lateral-Directional Effect of Exhaust Plumes on Configuration 01T1B1 at Beta = 6	B	Plume	IV/31-33
Longitudinal Effect of M = 1.5 Exhaust Plumes on Configuration 01T1B1 at Beta = 0	A	Plume	IV/34-53
Lateral-Directional Effect of M=1.5 Exhaust Plumes on Configuration 01T1B1 at Alpha = 0	C	Plume	IV/54-61
Effect of Exhaust Plumes on Aileron Effectiveness of Configuration 01T1B1 on Beta = 0	B	Plume	IV/62-64
Effects of M=1.5 Exhaust Plumes on Aileron Effectiveness of Configuration 01T1B1 at Beta = 0	B	Plume and Aileron Deflection	IV/65-70
Variation of Aileron Control at Alpha = 0 with Beta and M=1.5 Exhaust Plumes 01T1B1	C	Plume and Aileron Deflection	IV/71-78
Variation of Rudder Control at Beta = 0 with Alpha and M=1.5 Exhaust Plumes 01T1B1	B	Plume and Rudder Deflection	IV/79-84
Effects of M=1.5 Exhaust Plumes on Rudder Effectiveness with Beta at Alpha = 0 of 01T1B1	C	Plume and Rudder Deflection	IV/85-92
Lateral-Directional Characteristics of Configuration 01T1B1 + Plume(2.5) with Deflected Rudder at Beta = 0	B		IV/93-95
Longitudinal Characteristics of Configuration 01T1B1+Plume(2.5) with Deflected Rudder at Beta = 0	A		IV/96-105
Longitudinal Effect of Mach No.=1.5 Exhaust Plumes on Configuration 01T3B6 at Beta = 0	A	Plume	IV/106-115

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effect of Mach No=2.2 Exhaust Plumes on Configuration O1T3B6 at Beta = 0	A	Plume	IV/116-125
Lateral-Directional Effect of Mach No.=1.5 Exhaust Plumes on Configuration O1T3B6 at Alpha = 0	C	Plume	IV/126-129
Lateral-Directional Effect of Mach No=2.2 Exhaust Plumes on Configuration O1T3B6 at Alpha = 0	C	Plume	IV/130-133
Effects of M=1.5 Exhaust Plumes on Aileron Effectiveness of Configuration O1T3B6 at Beta = 0	B	Plume and Aileron Deflection	IV/134-136
Effects of M=2.2 Exhaust Plumes on Aileron Effectiveness of Configuration O1T3B6 at Beta = 0	B	Plume and Aileron Deflection	IV/137-139
Variation of Aileron Control at Alpha = 0 with Beta and M=1.5 Exhaust Plumes O1T3B6	C	Plume and Aileron Deflection	IV/140-143
Variation of Aileron Control at Alpha = 0 with Beta and M=2.2 Exhaust Plumes O1T3B6	C	Plume and Aileron Deflection	IV/144-147
Variation of Rudder Control at Beta = 0 with Alpha and M=1.5 Exhaust Plumes O1T3B6	B	Plume and Rudder Deflection	IV/148-150
Effects of M=1.5 Exhaust Plumes on Rudder Effectiveness with Beta at Alpha = 0 of O1T3B6	C	Plume and Rudder Deflection	IV/151-154
Variation of Rudder Control at Beta = 0 with Alpha and M=2.2 Exhaust Plumes O1T3B6	B	Plume and Rudder Deflection	IV/155-157
Effects of M=2.2 Exhaust Plumes on Rudder Effectiveness with Beta at Alpha = 0 of O1T3B6	C	Plume and Rudder Deflection	IV/158-161
Longitudinal Effect of M=1.5 Exhaust Plumes on Configuration O1T4B7A1-4 at Beta = 0	A	Plume	IV/162-171

TABLE 6. (CONTINUED)

TITLE	PLOTTED		VOLUME/ PAGE NO.
	COEFFICIENTS SCHEDULE	CONDITIONS VARYING	
Longitudinal Effect of $M=2.2$ Exhaust Plumes on Configuration 01T4B7A1-4 at Beta = 0	A	Plume	IV/172-181
Lateral-Directional Effects of $M=1.5$ Exhaust Plumes on Configuration 01T4B7A1-4 at Alpha = 0	C	Plume	IV/182-185
Lateral-Directional Effects of $M=2.2$ Exhaust Plumes on Configuration 01T4B7A1-4 at Alpha = 0	C	Plume	IV/186-189
Aileron Effectiveness of Configuration 01T4B7A1-4+Plume(1.5) at Beta = 0	B	Aileron Deflection	IV/190-192
Aileron Effectiveness of Configuration 01T4B7A1-4+Plume(2.2) at Beta = 0	B	Aileron Deflection	IV/193-195
Effects of Beta on Aileron Control of Configuration 01T4B7A1-4+Plume(1.5) at Alpha = 0	C	Aileron Deflection	IV/196-199
Effects of Beta on Aileron Control of Configuration 01T4B7A1-4+Plume(2.2) at Alpha = 0	C	Aileron Deflection	IV/200-203
Rudder Effectiveness of Configuration 01T4B7A1-4+Plume(1.5) at Alpha = 0	C	Rudder Deflection	IV/204-207
Rudder Effectiveness of Configuration 01T4B7A1-4+Plume(2.2) at Alpha = 0	C	Rudder Deflection	IV/208-211
Effects of Alpha on Rudder Control of Configuration 01T4B7A1-4+Plume(1.5) at Beta = 0	B	Rudder Deflection	IV/212-214
Effects of Alpha on Rudder Control of Configuration 01T4B7A1-4+Plume(2.2) at Beta = 0	B	Rudder Deflection	IV/215-217

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Effects of M=1.5 Exhaust Plumes on Configuration OLVLT ₄ B7A1-4 at Beta = 0	A	Plume	IV/218-227
Lateral-Directional Effects of M=1.5 Exhaust Plumes on Configuration OLVLT ₄ B7A1-4 at Alpha = 0	C	Plume	IV/228-231
Longitudinal Effects of M=2.2 Exhaust Plumes on Configuration OLVLT ₄ B7A1-4 at Beta = 0	A	Plume	IV/232-241
Lateral-Directional Effects of M=2.2 Exhaust Plumes on Configuration OLVLT ₄ B7A1-4 at Alpha = 0	C	Plume	IV/242-245
Effects of M=1.5 Exhaust Plumes on Rudder Effectiveness with and without Rudder Flare	C	Plume, Rudder Deflection, Rudder Flare	IV/246-253
Effects of M=2.2 Exhaust Plumes on Rudder Effectiveness with and without Rudder Flare	C	Plume, Rudder Deflection, Rudder Flare	IV/254-261
Variation of Rudder Control with and without Rudder Flare and M=1.5 Exhaust Plume	A	Plume, Rudder Deflection, Rudder Flare	IV/262-281
Variation of Rudder Control with and without Rudder Flare and M=2.2 Exhaust Plume	A	Plume, Rudder Deflection, Rudder Flare	IV/282-301
Effects of Beta = 6 on Longitudinal Characteristics of Configuration (01)TL	A	Beta	IV/302-321
Effects of Beta = 6 on Lateral-Directional Characteristics of Configuration (01)TL	B	Beta	IV/322-327
Lateral-Directional Characteristics of V1 and V2 on (01)TL at Alpha = 0	D	Configuration	IV/328-336
Longitudinal Characteristics Comparison of V1 and V2 on (01)TL at Alpha = 0	E	Configuration	IV/337-351

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Aileron Effectiveness of Configuration (01V1)T1 at Beta = 0	B	Aileron Deflection	IV/352-360
Effects of Beta on Aileron Effectiveness of Configuration (01V1)T1 at Alpha = 0	D	Aileron Deflection	IV/361-369
Longitudinal Characteristics of (01V1)T1 with Ailerons=20 at Beta = 0	A	Mach No.	IV/370-379
Lateral-Directional Characteristics of (01V1)T1 with Ailerons = 20 at Beta = 0	B	Mach No.	IV/380-382
Lateral-Directional Characteristics of (01V1)T1 with Ailerons = 20 at Alpha = 0	D	Mach No.	IV/383-385
Longitudinal Characteristics of (01V1)T1 with Ailerons=20 at Alpha = 0	E	Mach No.	IV/386-390
Rudder Effectiveness of Configuration (01V1)T1 at Alpha = 0	C	Rudder Deflection	IV/391-402
Effects of Alpha on Rudder Effectiveness of Configuration (01V1)T1 at Beta = 0	B	Rudder Deflection	IV/403-411
Effect of Tank T2 Longitudinal Position on (01)T2 at Beta=0	A	Configuration	IV/412-431
Effect of Tank T2 Longitudinal Position on (01)T2 with Beta at Alpha = 0	C	Configuration	IV/432-439
Longitudinal Characteristics of Various Boosters on Configuration (01)T2 at Beta = 6	A	Configuration	IV/440-449
Lateral-Directional Characteristics of Various Boosters on Configuration (01)T2 at Beta = 6	B	Configuration	IV/450-452

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Effects of Beta = 6 on Longitudinal Characteristics of Configuration (01)T ₃	A	Beta	IV/453-472
Effects of Beta = 6 on Lateral-Directional Characteristics of Configuration (01)T ₃	B	Beta	IV/473-478
Effects of Beta on Longitudinal Characteristics of (01)T ₄	A	Beta	IV/479-488
Effects of Beta on Lateral-Directional Characteristics of (01)T ₄	B	Beta	IV/489-491
Longitudinal Characteristics of Configuration T1B5 at Beta = 0	A	Mach No.	IV/492-501
Lateral-Directional Characteristics of Configuration T1B5 at Alpha = 0	C	Mach No.	IV/502-505
Longitudinal Characteristics of Configuration T1B6 at Beta = 0	A	Mach No.	IV/506-515
Lateral-Directional Characteristics of Configuration T1B6 at Alpha = 0	C	Mach No.	IV/516-519
Longitudinal Characteristics of Configuration T3B2 at Beta = 0	A	Mach No.	IV/520-529
Lateral-Directional Characteristics of Configuration T3B2 at Alpha = 0	C	Mach No.	IV/530-533
Longitudinal Characteristics of Configuration T3B5 at Beta = 0	A	Mach No.	IV/534-543
Lateral-Directional Characteristics of Configuration T3B5 at Alpha = 0	C	Mach No.	IV/544-547

TABLE 6. (CONTINUED)

TITLE	PLOTTED		VOLUME/ PAGE NO.
	COEFFICIENTS SCHEDULE	CONDITIONS VARYING	
Effects of Beta on Longitudinal Characteristics of 01	A	Beta	V/1-60
Effects of Beta on Lateral-Directional Characteristics of 01	B	Beta	V/61-78
Effects of Alpha on Rudder Effectiveness of Configuration 01 at Beta = 0	B	Rudder Deflection	V/79-90
Effects of Alpha on Rudder Effectiveness of Configuration 01V1	B	Rudder Deflection	V/91-93
Effects of Beta on Longitudinal Characteristics of 01V1	A	Beta	V/94-123
Effects of Beta on Lateral-Directional Characteristics of 01V1	B	Beta	V/124-132
Effects of Beta on Longitudinal Characteristics of 01 V Off	A	Beta	V/133-162
Effects of Beta on Lateral-Directional Characteristics of 01 V Off	B	Beta	V/163-171
Effects of Beta on Lateral-Directional Characteristics of 01C1	B	Beta	V/172-186
Effects of Beta on Lateral-Directional Characteristics of 01C1	B	Beta	V/187-201
Longitudinal Characteristics of Various Tanks at Beta = 0	A	Configuration	V/202-261
Longitudinal Characteristics of Various Boosters Alone at Beta = 0 and Nominal MRC	A	Configuration	V/262-301

TABLE 6. (CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	VOLUME/ PAGE NO.
Longitudinal Characteristics of Various Boosters Alone at Beta = 0 and Tank 1 MRC	A	Configuration	V/302-341
Longitudinal Characteristics of Various Boosters Alone at Beta = 0 and Tank 3 MRC	A	Configuration	V/342-381
Lateral-Directional Characteristics of Various Boosters Alone at Beta = 0 and Tank 1 MRC	B	Configuration	V/382-393
Lateral-Directional Characteristics of Various Boosters Alone at Beta = 0 and Tank 3 MRC	B	Configuration	V/394-405
Lateral-Directional Characteristics of Various Boosters Alone at Alpha = 0 and Nominal MRC	C	Configuration	V/406-421
Lateral-Directional Characteristics of Various Boosters Alone at Alpha = 0 and Tank 1 MRC	C	Configuration	V/422-437
Lateral-Directional Characteristics of Various Boosters Alone at Alpha = 0 and Tank 3 MRC	C	Configuration	V/438-453
Comparison of Longitudinal Characteristics of Booster B1 with Larger Aft Flares S	A	Configuration	V/454-523
Comparison of Longitudinal Characteristics of Booster B1 with Flaps D2 at Various Deflection	A	Flap Deflection	V/524-583
Comparison of Longitudinal Characteristics of Booster B1 with Various Flaps	A	Flap Deflection	V/584-643

TABLE 6. (CONCLUDED)

PLOTTED COEFFICIENTS SCHEDULE:

(A) - CN, CA, CAF, CIM, CL & CDF vs. ALPHA

CN & CL vs. CIM, CL & CLSQR vs. CDF

(B) - CY, CYN & CBL vs. ALPHA

(C) - CY, CYN, CBL & CAF vs. BETA

(D) - CY, CYN, CBL vs. BETA

(E) - CN, CAF, CIM, CL & CDF vs. BETA

- Notes:
1. Positive directions of force coefficients moment coefficients, and angles are indicated by arrows.
 2. For clarity, origins of wind and stability axes have been displaced from the center of gravity.

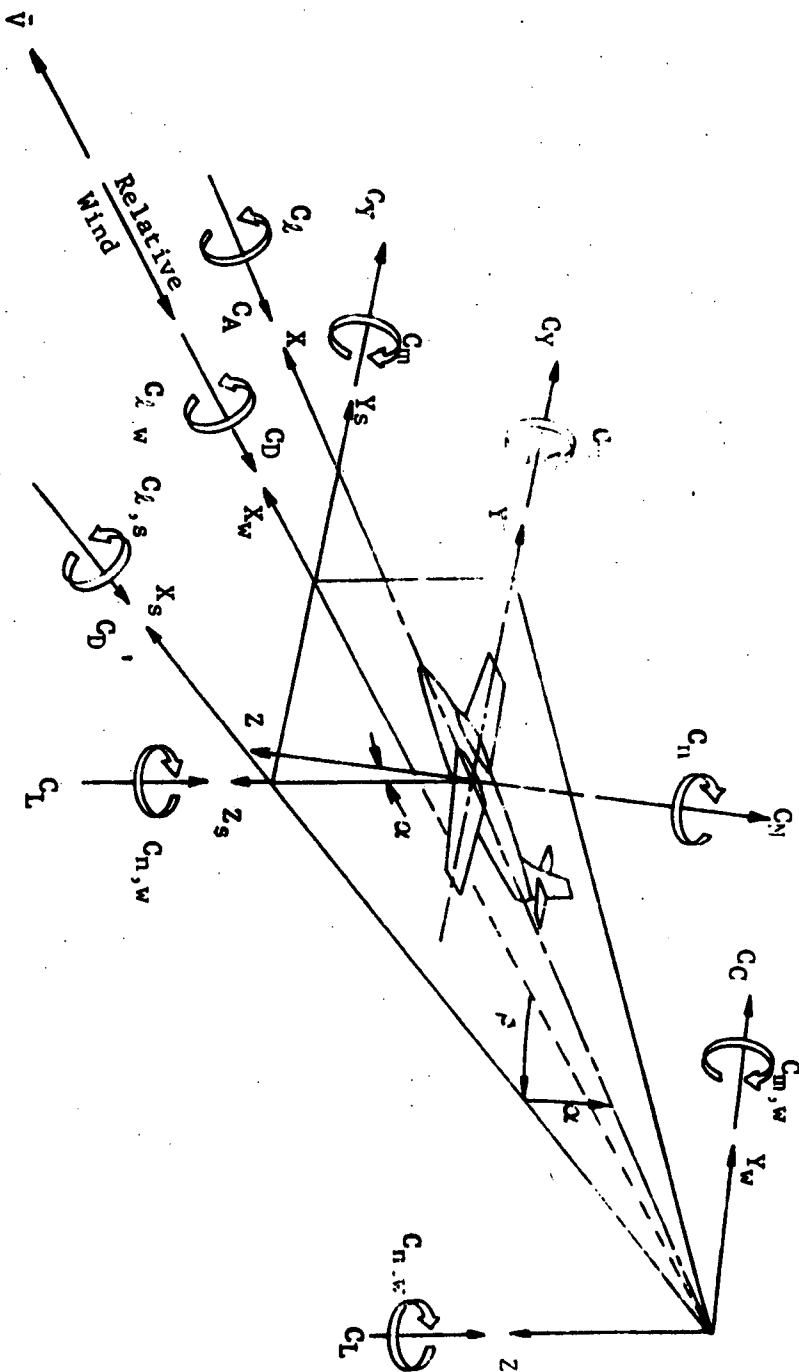


Figure 1. Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle

Figure 2. Photograph of Configuration (01) T⁴B/AL-4

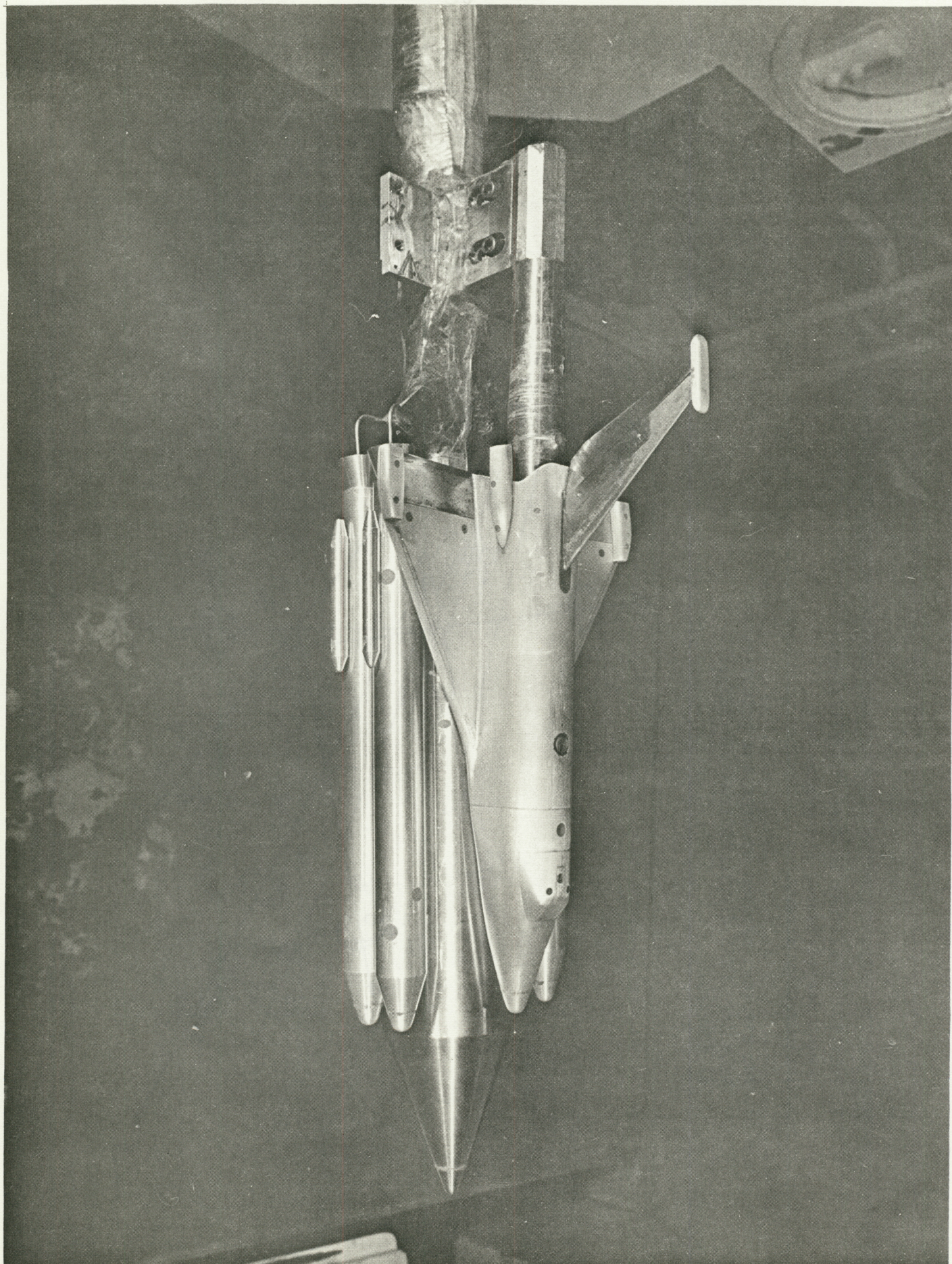
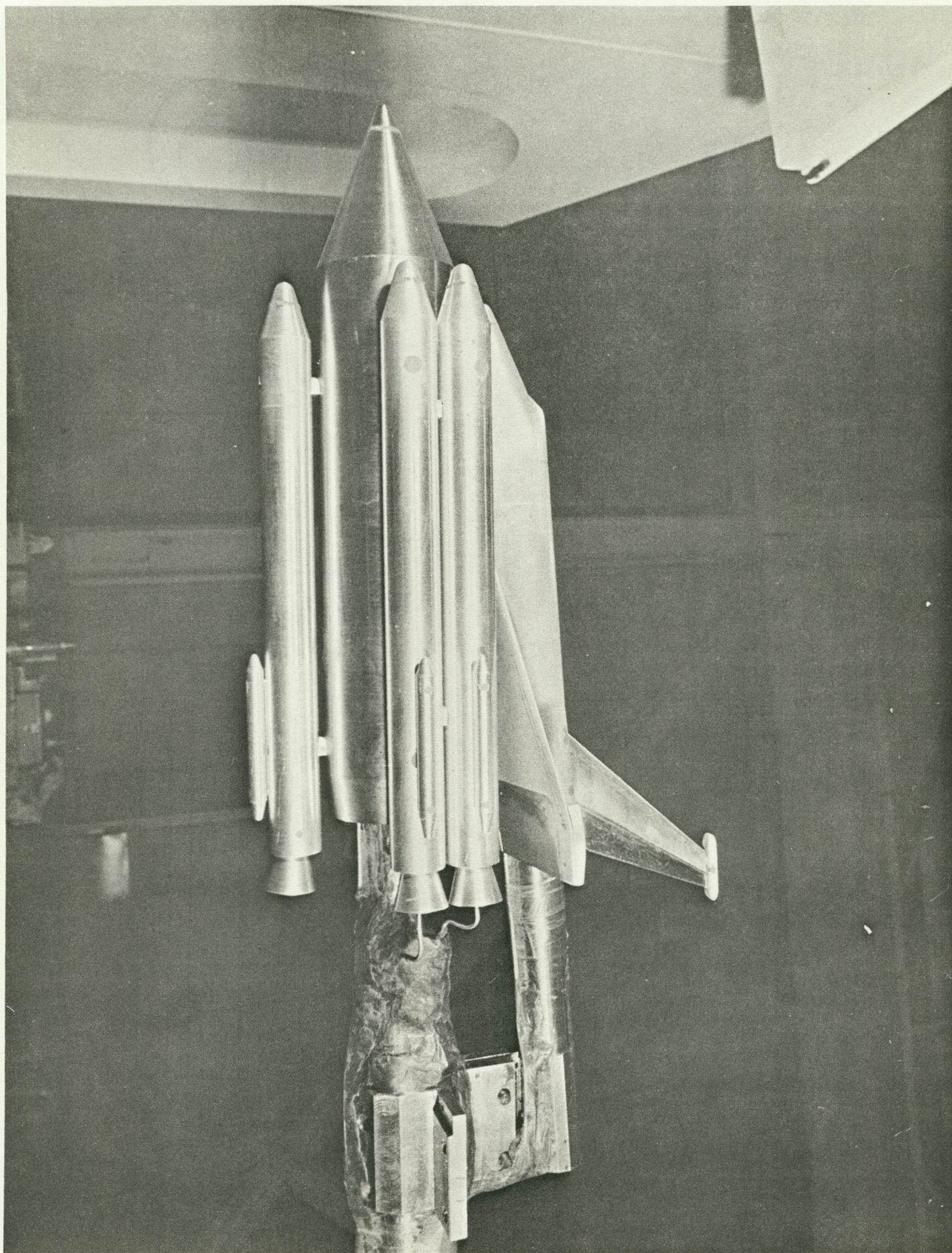
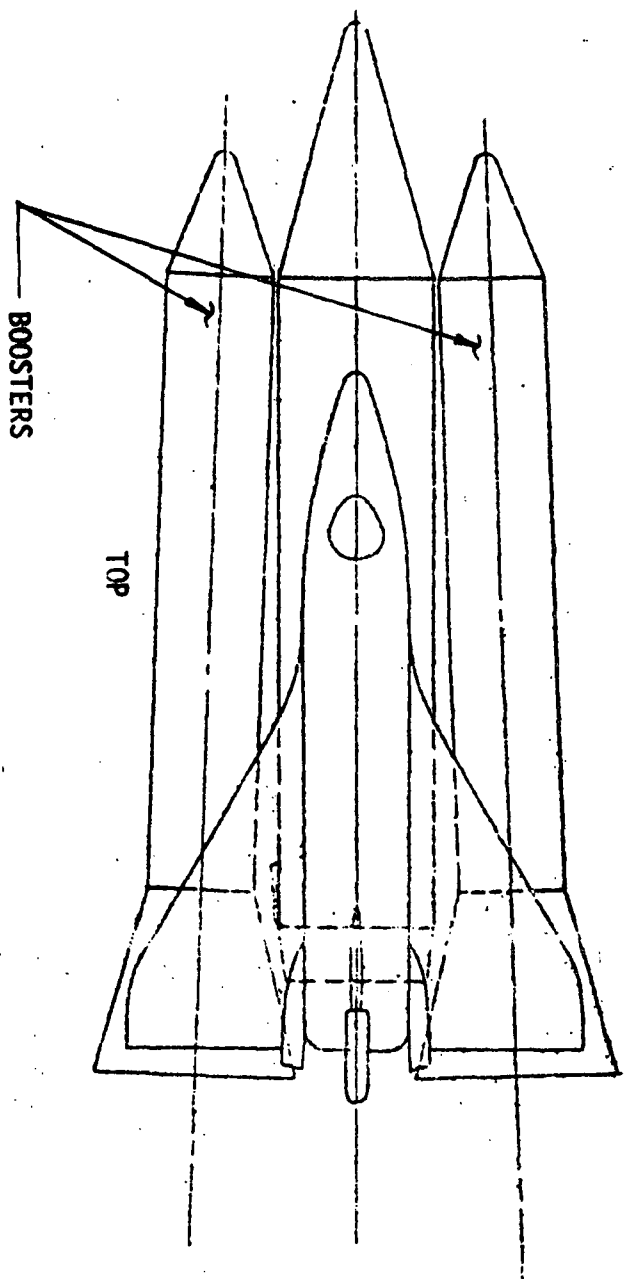


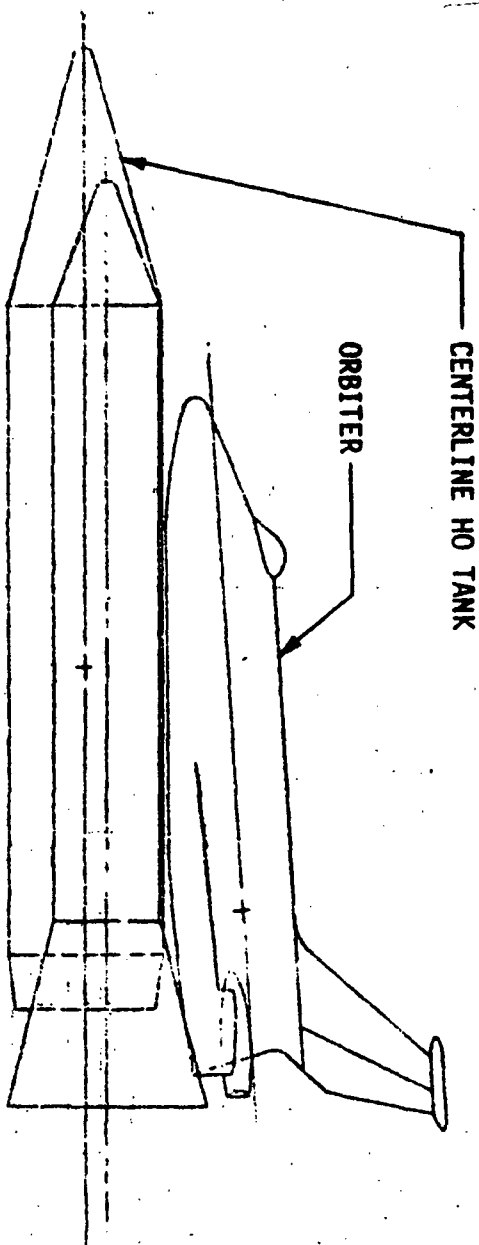
Figure 3. Photograph of Configuration (01) T₄B7A1-5



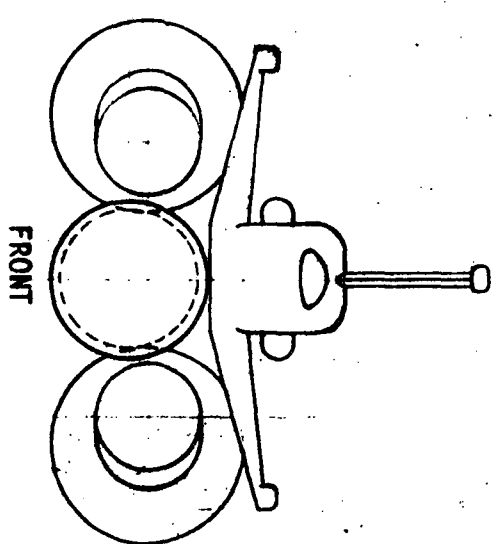


TOP

ASCENT CONFIGURATION
GENERAL ARRANGEMENT
(B_1, T_1, O_1)



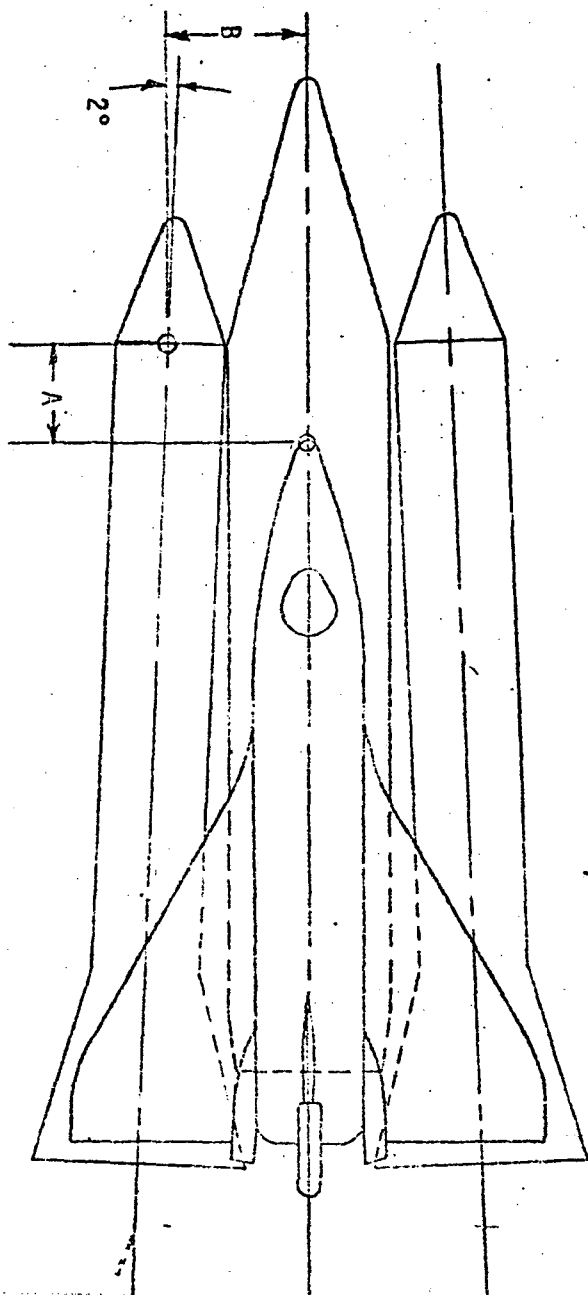
SIDE



FRONT

Figure 4. General Arrangement-Ascent Configuration $O_1 T_1 B_1$

B₁ OR B₅ BOOSTER LOCATION



DIMENSION	TANK	
	T1 & T2	T3
A	1.080	1.360
B	1.560	1.628
C	1.282	1.340

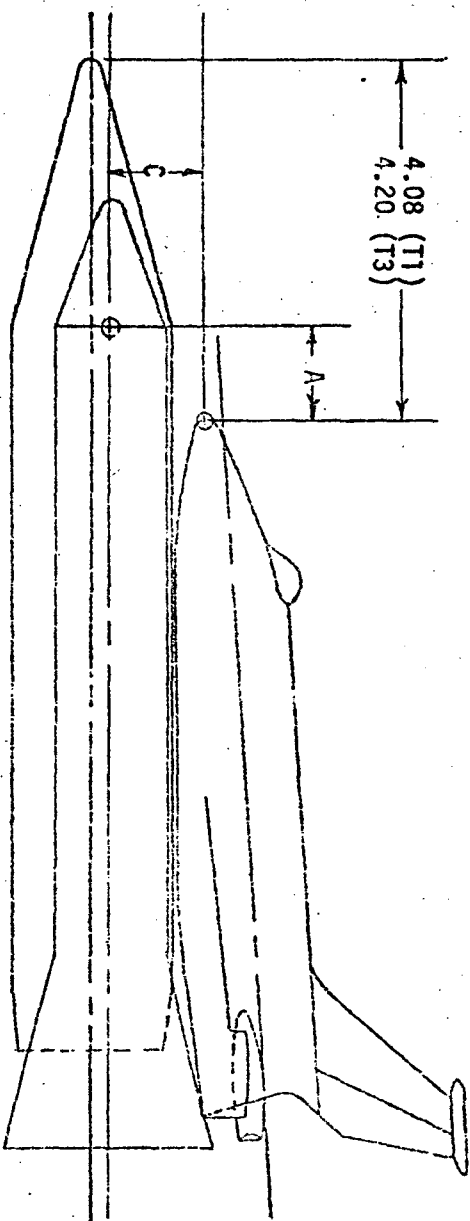
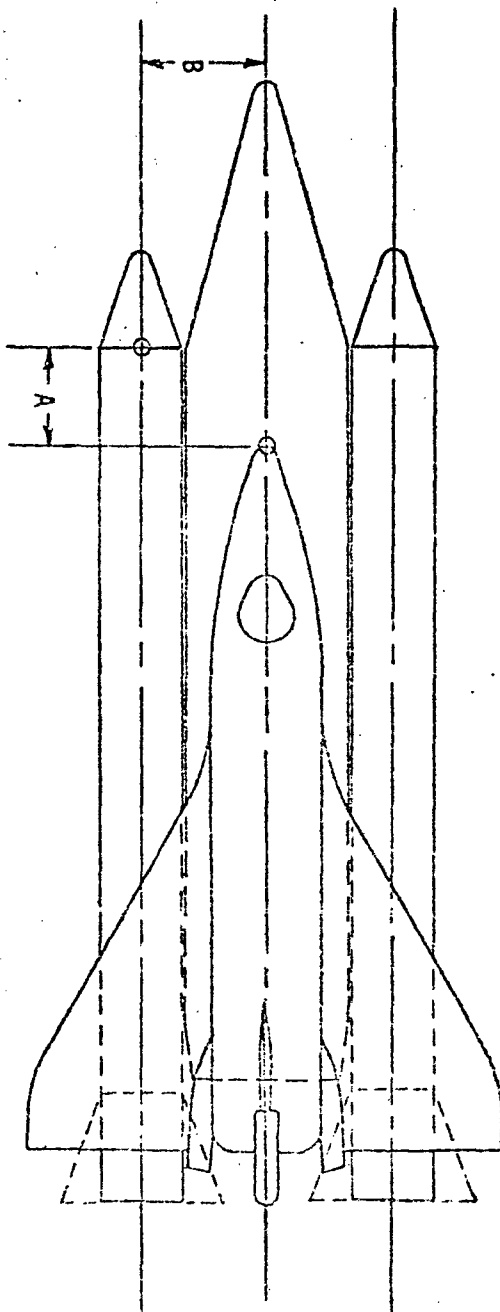


Figure 5. General Arrangement-Ascent Configuration
With Booster B₁ or B₅

B_2 AND B_2S BOOSTERS LOCATION



DIMENSION	TANK	
	T1 & T2	T3
A	1.080	-1.522
B	1.420	1.488
C	1.072	1.080

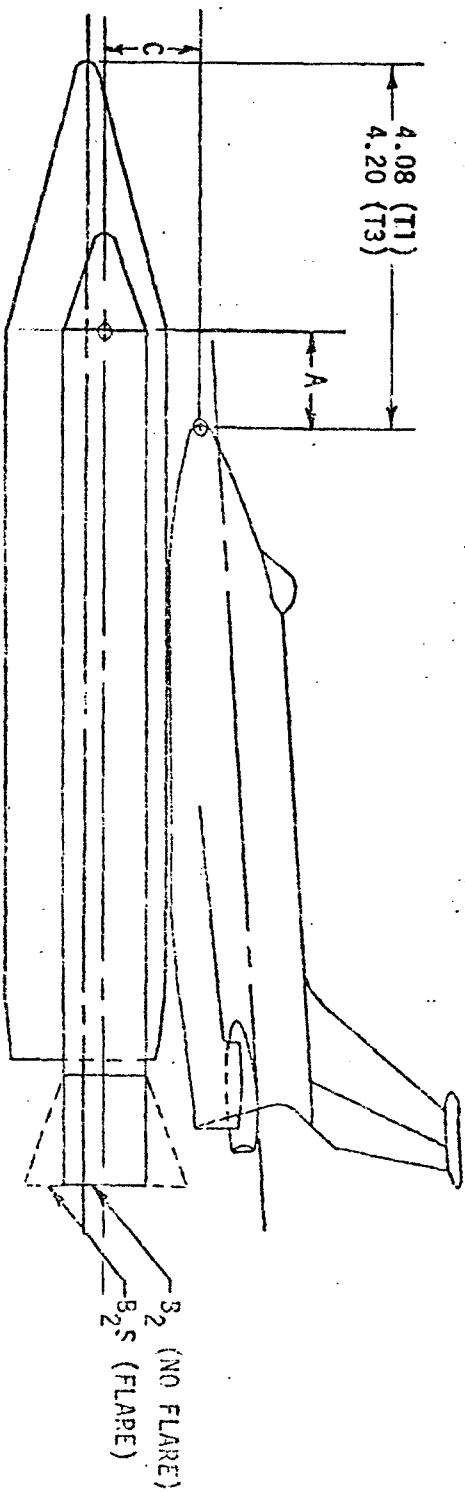
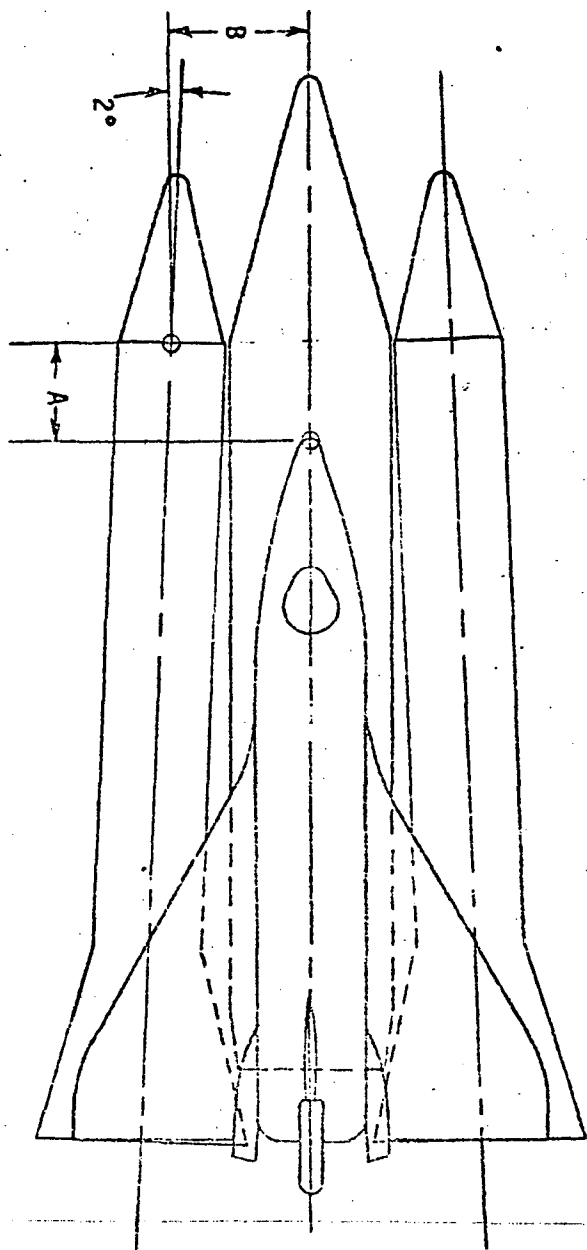


Figure 6. General Arrangement-Ascent Configuration with Booster B_2 or B_2S

B₃ BOOSTER LOCATION



DIMENSION	TANK	
	T1 & T2	T3
A	0.682	0.962
B	1.560	1.628
C	1.282	1.340

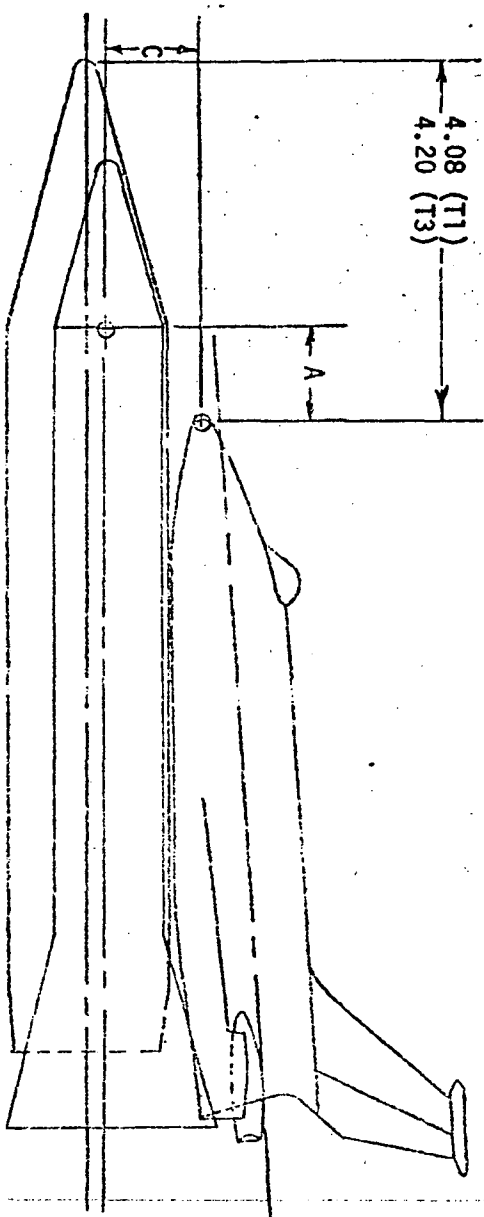
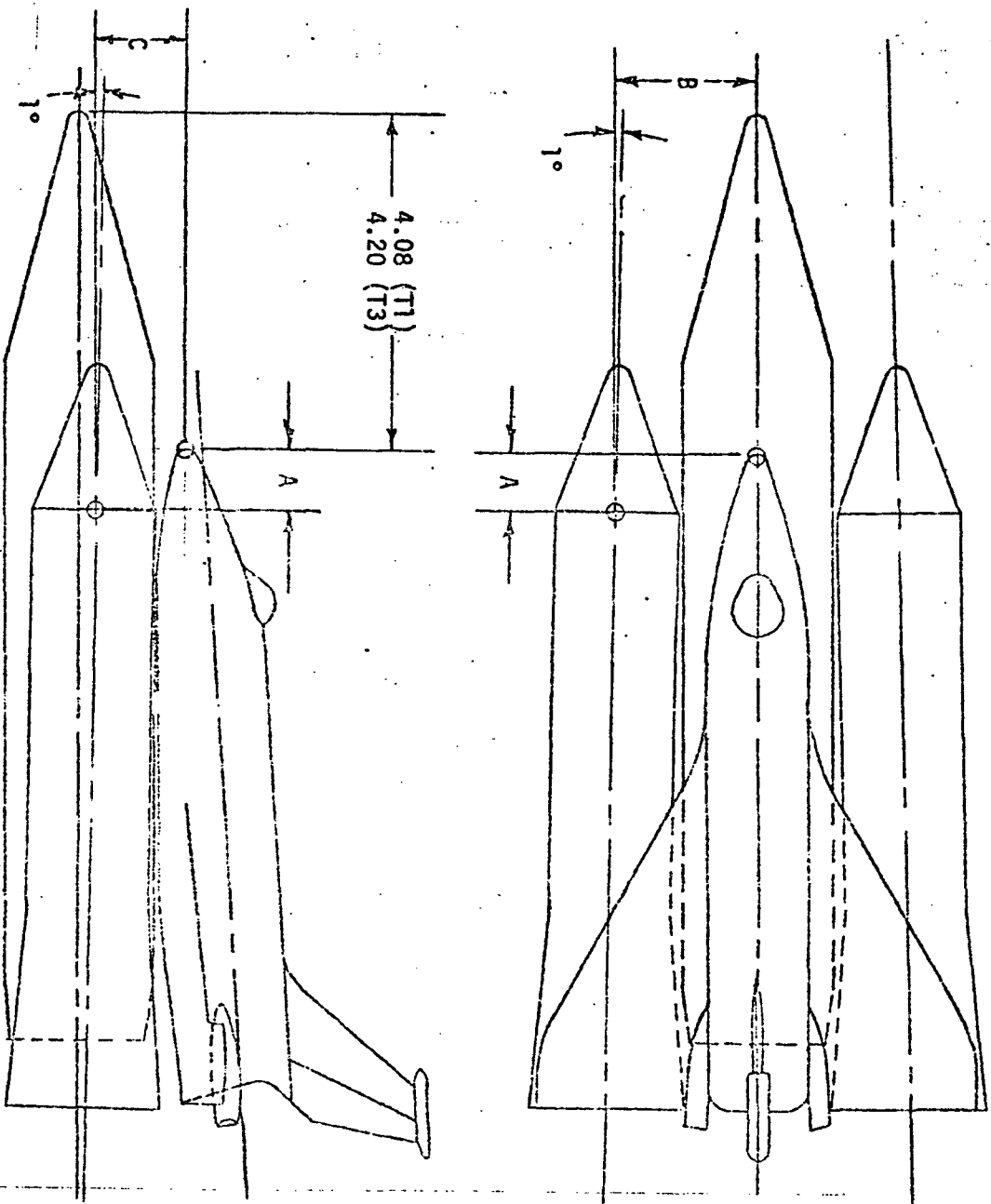


Figure 7. General Arrangement-Ascent Configuration with Booster B₃

B₄ BOOSTER LOCATION



DIMENSION	TANK	
	T1 & T2	T3
A	0.640	0.757
B	1.685	1.753
C	1.091	1.091

Figure 8. General Arrangement-Ascent Configuration with Booster B₄

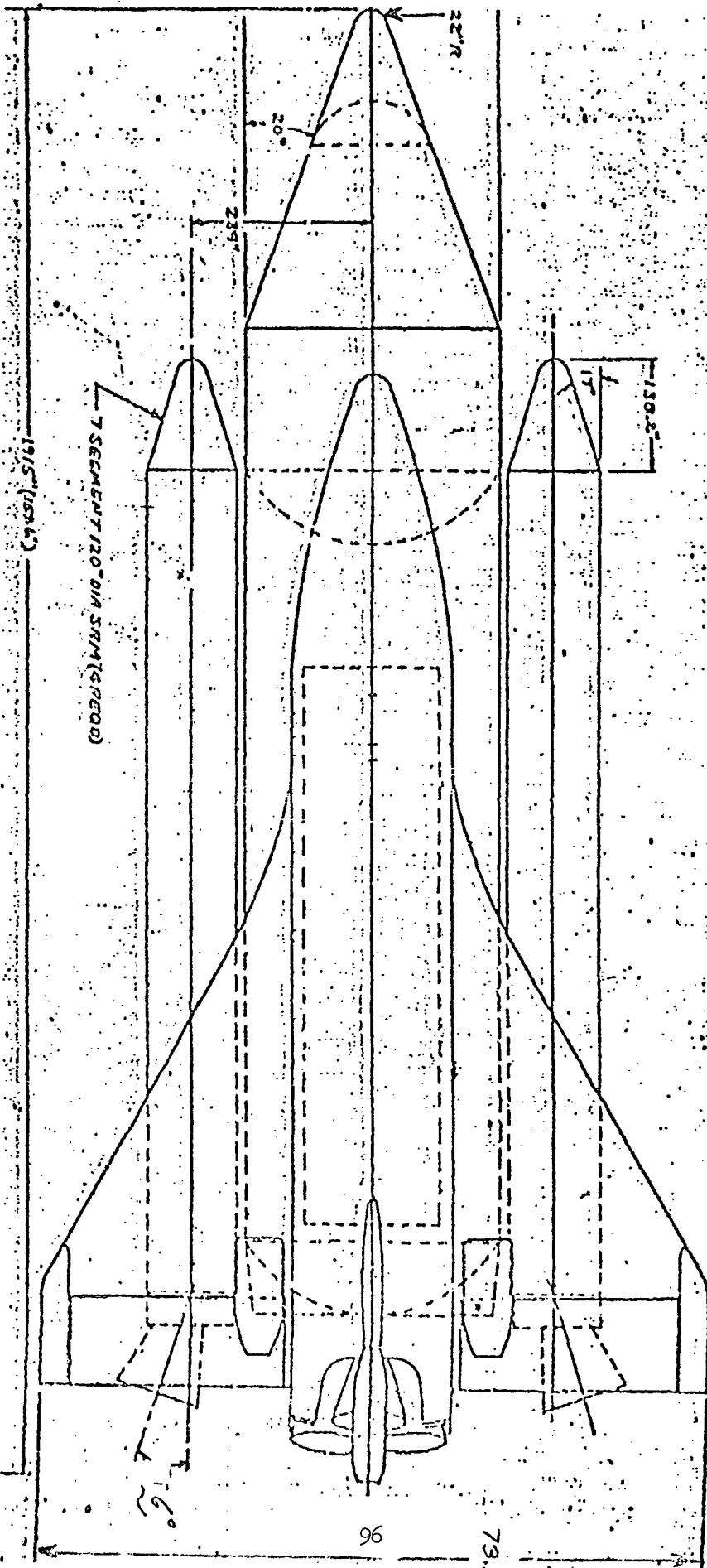
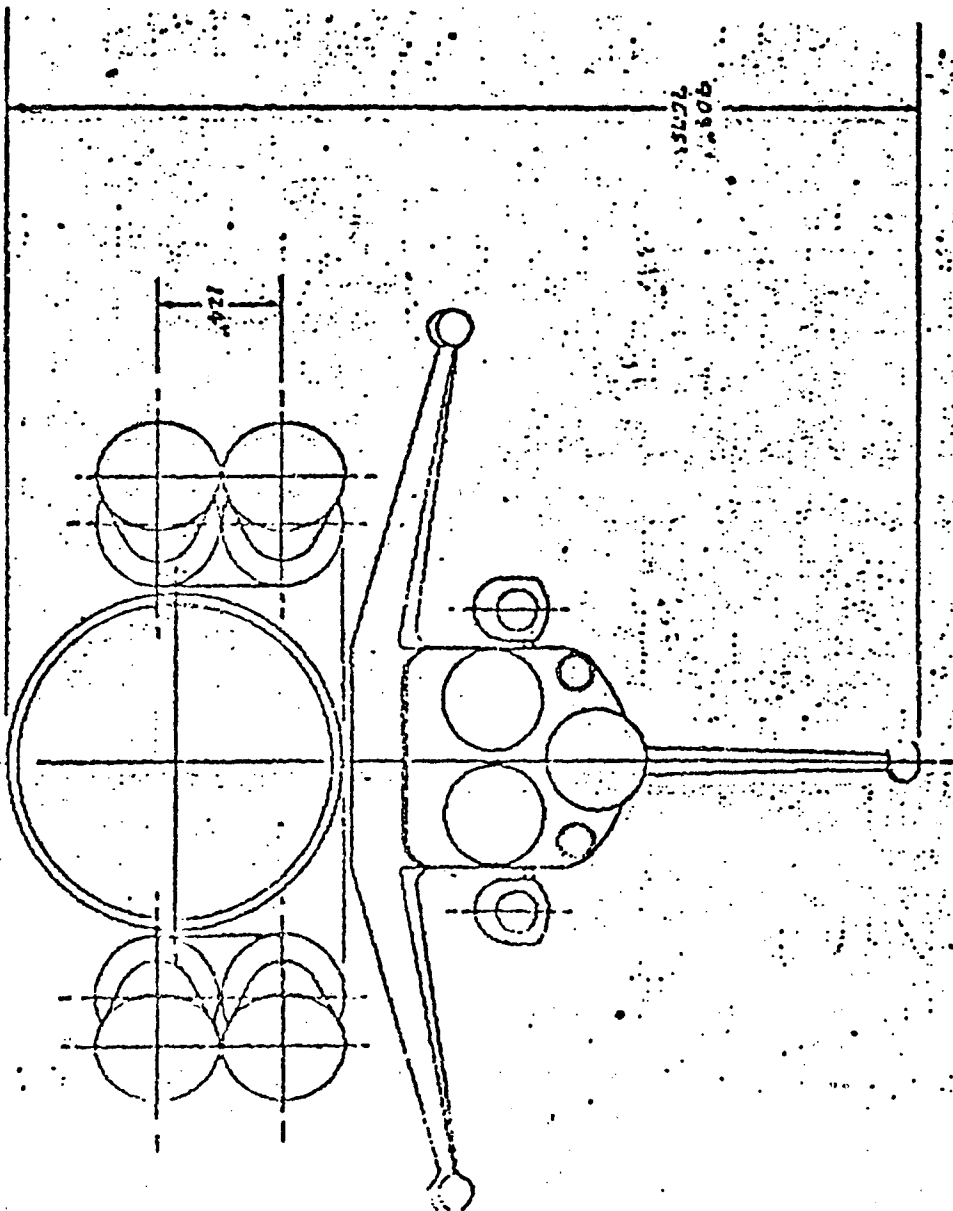


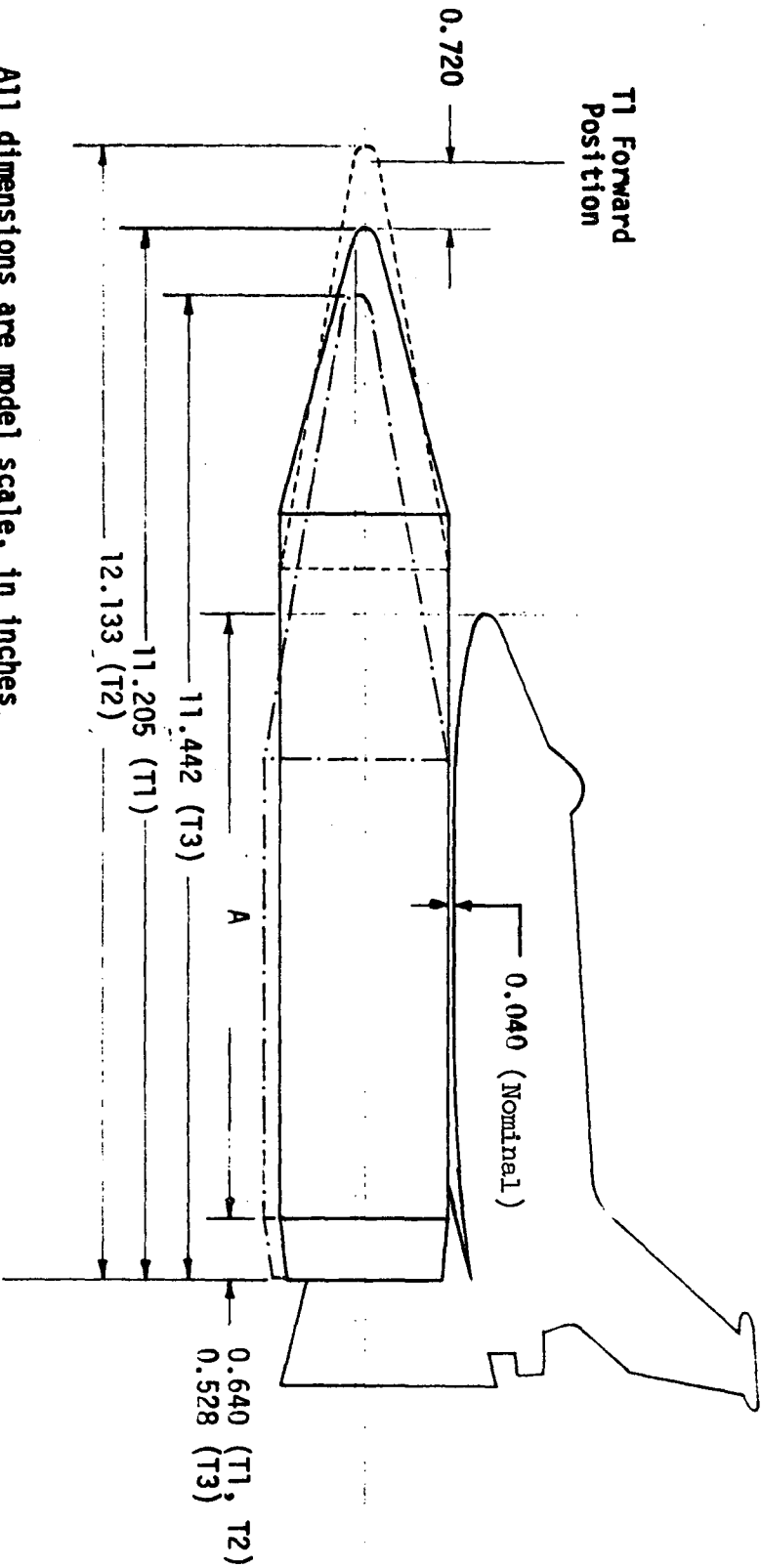
Figure 10. General Arrangement-Ascent Configuration
O174B7-4 (Top View)

Figure 11. General Arrangement-Ascent Configuration OLF₄B7-4
(Rear View)



CENTERLINE HO TANK LOCATIONS

Orbiter Nose
X (200)
1.200

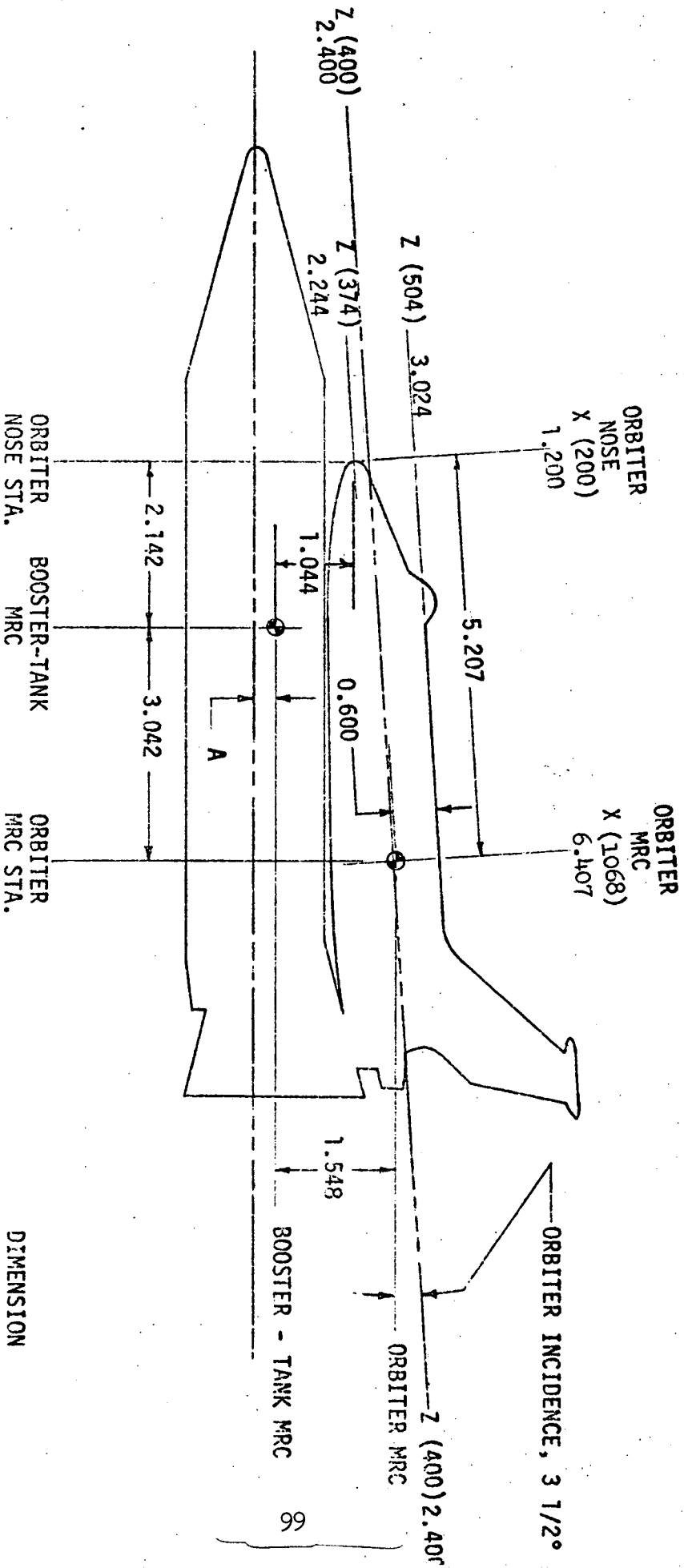


All dimensions are model scale, in inches.
Orbiter stations are given in both full
scale and model scale dimensions.

TANK	A
T1	6.485
T2	6.485
T3	6.714

Figure 12. Centerline HO Tank Locations

MOMENT TRANSFER DIAGRAM ASCENT CONFIGURATION

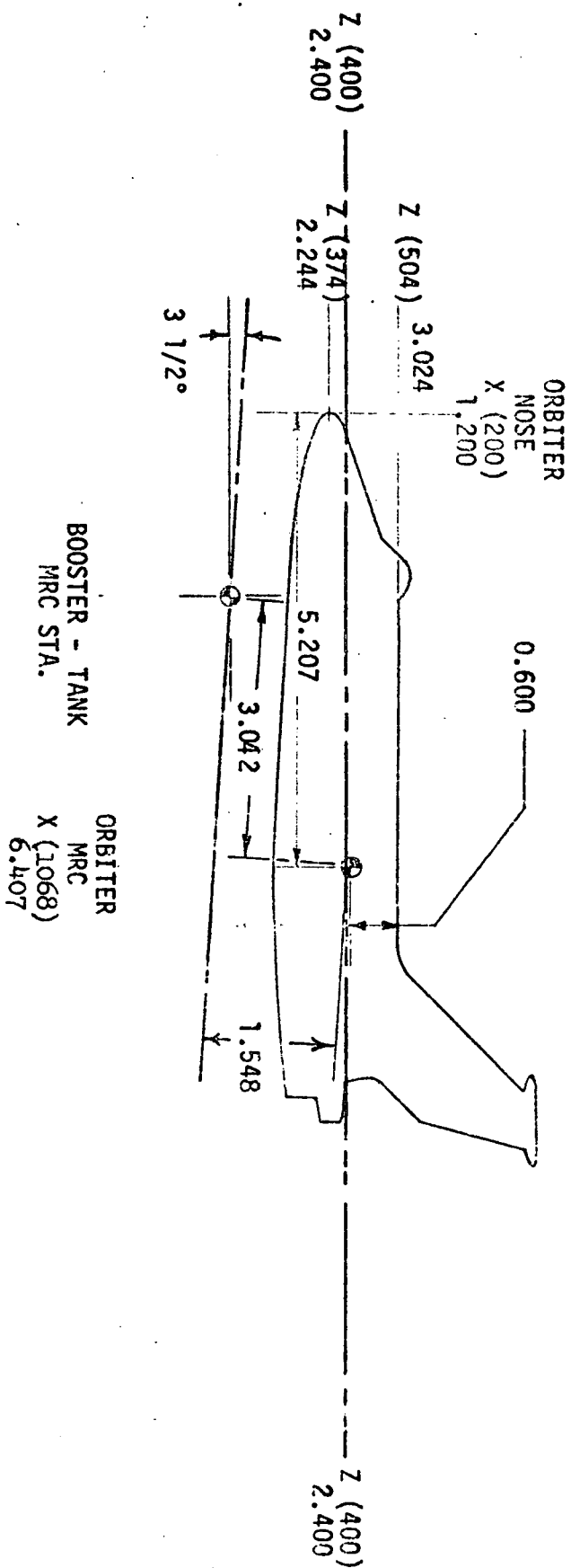


All dimensions are model scale, in inches
Orbiter stations are given in both full
scale and model scale dimensions.

Figure 13. Moment Transfer Diagram for Ascent Configuration

TANK	A	DIMENSION
T1	0.268	
T2	0.288	
T3	0.357	

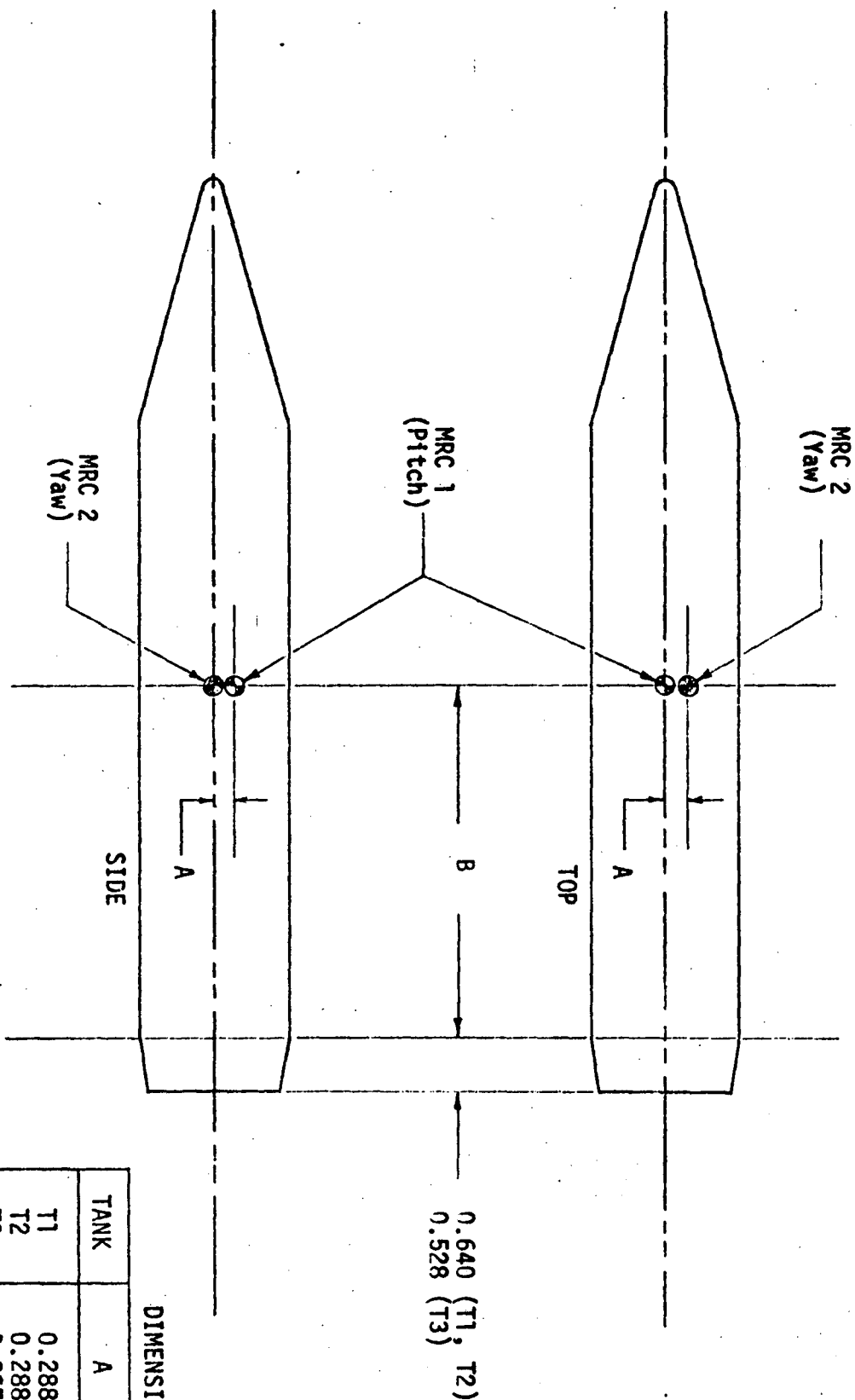
MOMENT TRANSFER DIAGRAM ORBITER ALONE



All dimensions are model scale, in inches
Orbiter stations are given in both full
scale and model scale dimensions.

Figure 14. Moment Transfer Diagram for Orbiter Alone

MOMENT TRANSFER DIAGRAM CENTERLINE TANK ALONE

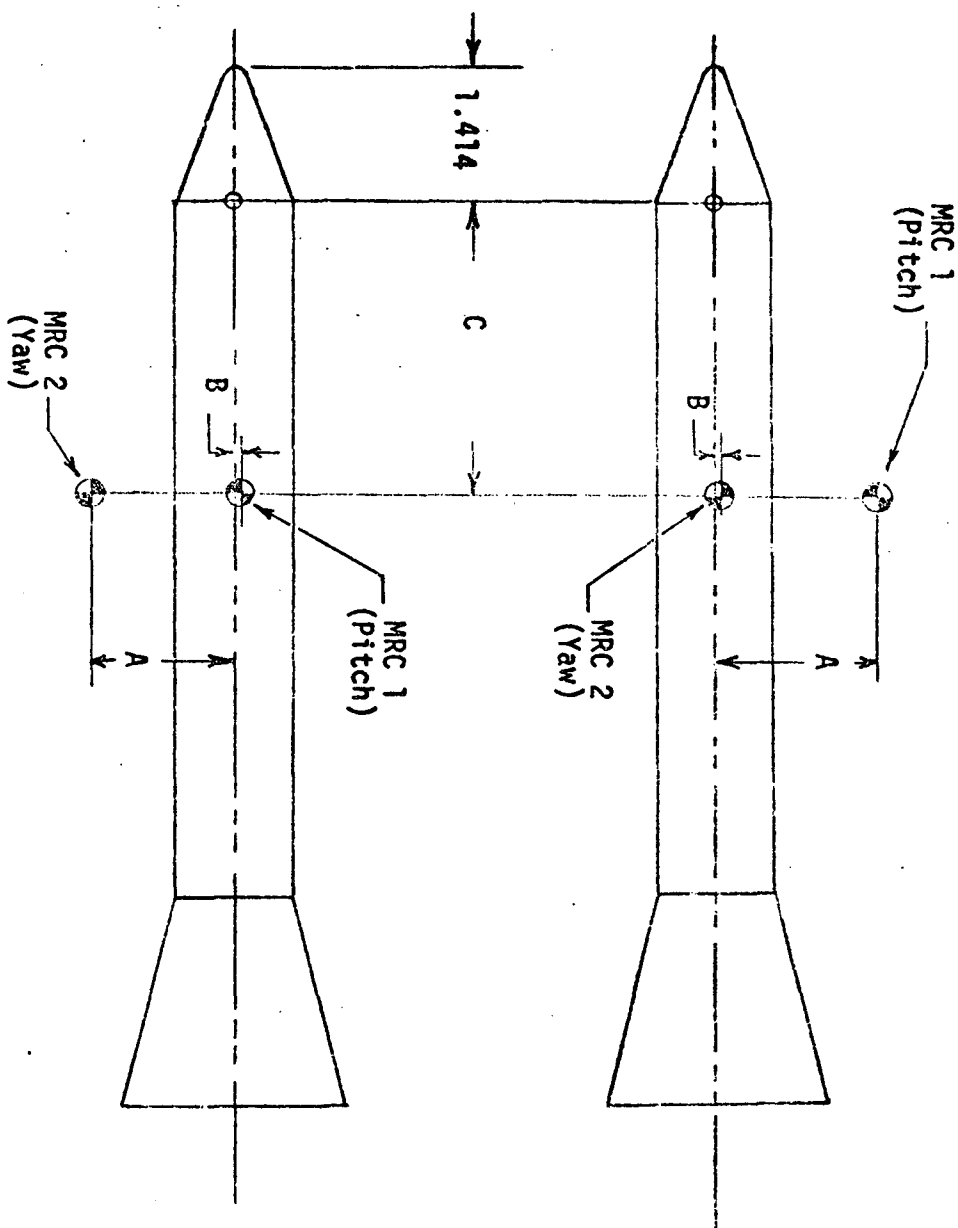


TANK	A	B
T1	0.288	4.243
T2	0.288	4.243
T3	0.357	4.572

All dimensions are model scale, in inches

Figure 15. Moment Transfer Diagram for Centerline Tank Alone

MOMENT TRANSFER DIAGRAM B₁ Booster Alone



Dimension			
TANK	A	B	C
T ₁	1.664	0.238	3.222
T ₂	1.664	0.238	3.222
T ₃	1.732	0.297	3.502

Booster Alone

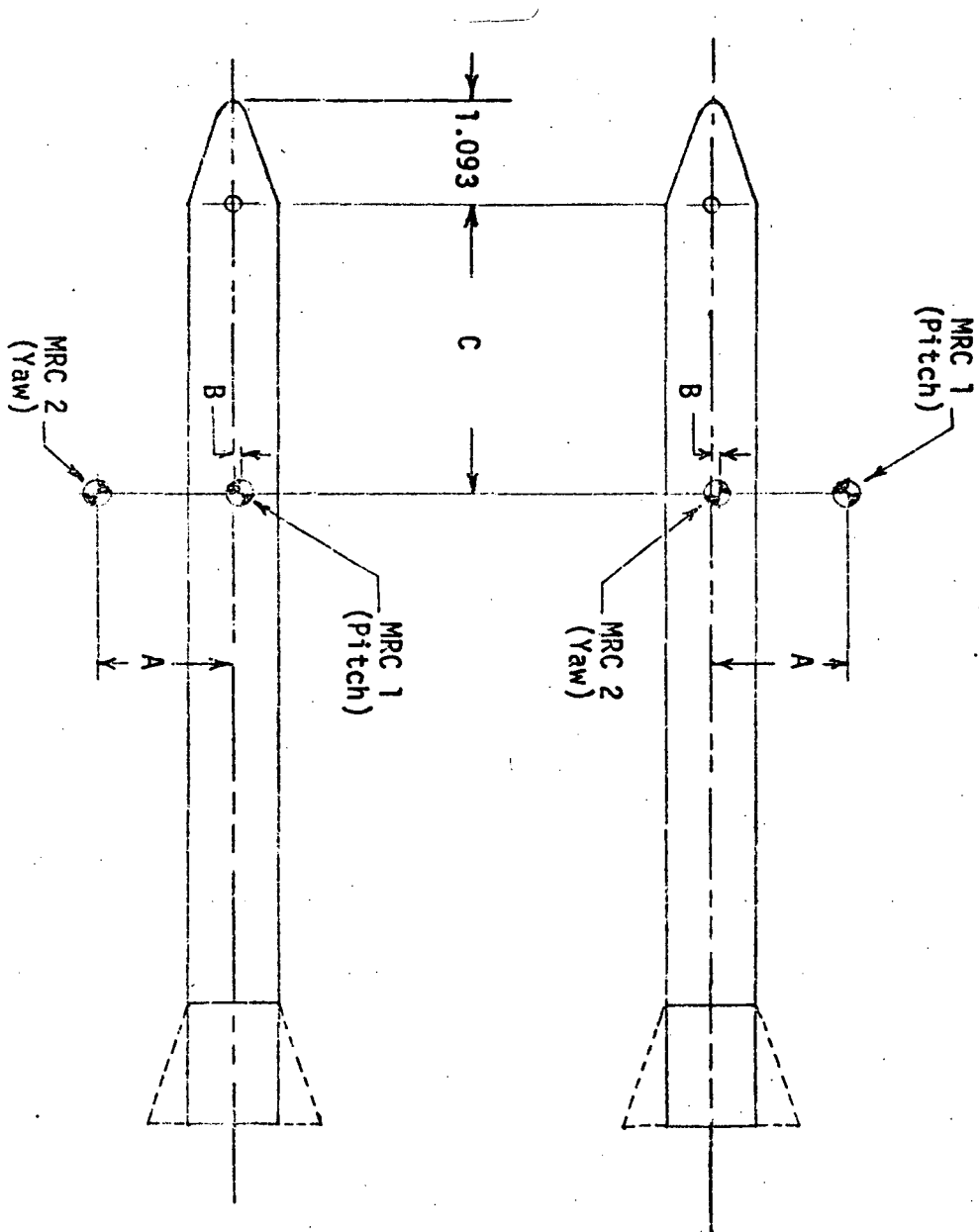
X = 4.386" From nose

Y = 0

Z = 0

Figure 16. Moment Transfer Diagram for B1 Booster Alone

MOMENT TRANSFER DIAGRAM B₂ and B₂S Boosters Alone



TANK	DIMENSION		
	A	B	C
T ₁	1.420	0.058	3.222
T ₂	1.420	0.058	3.222
T ₃	1.488	0.037	3.664

Booster Alone

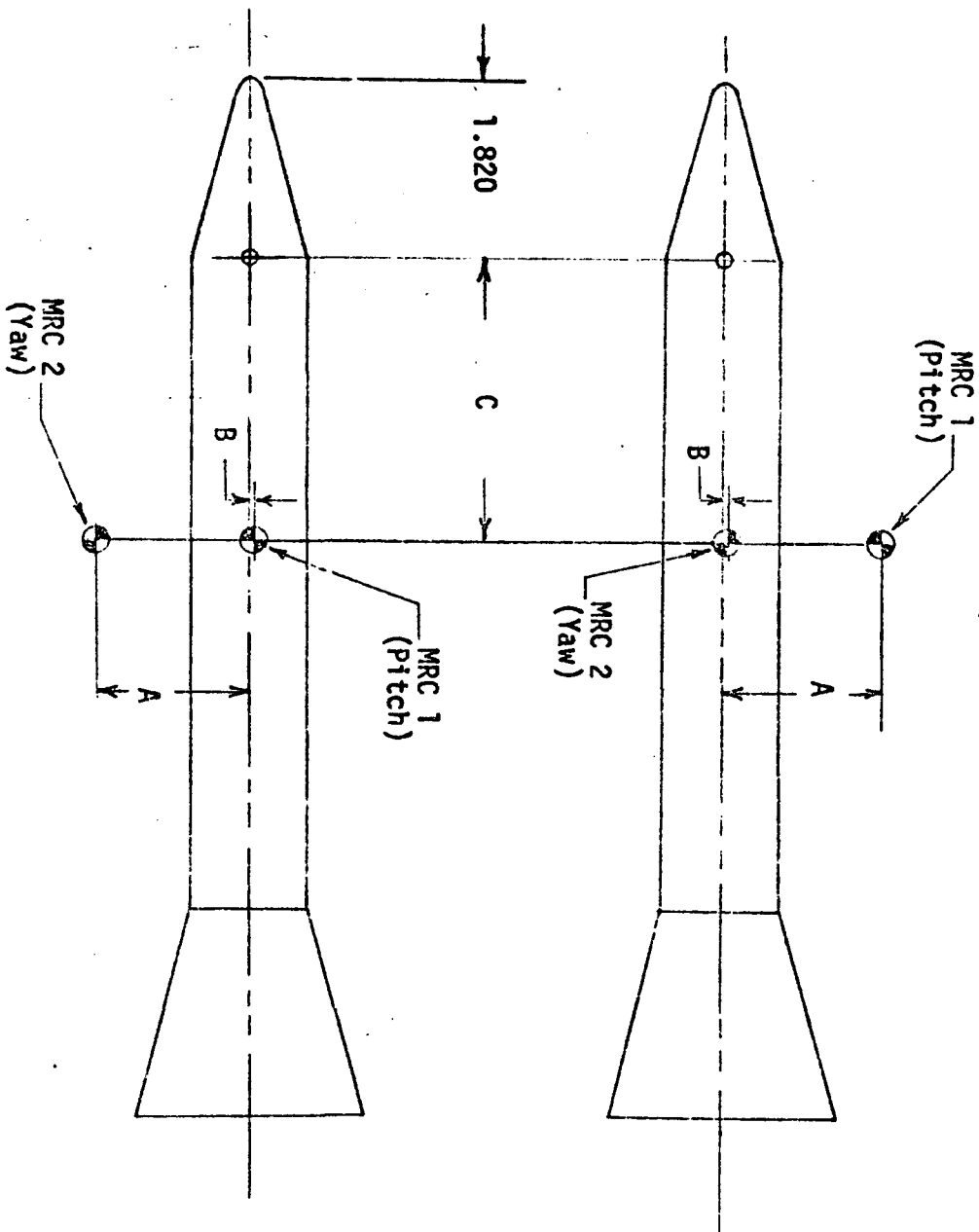
X = 4.091" From nose

Y = 0

Z = 0

Figure 17. Moment Transfer Diagram for B₂ & B₂S Boosters Alone

MOMENT TRANSFER DIAGRAM B₃ Booster Alone



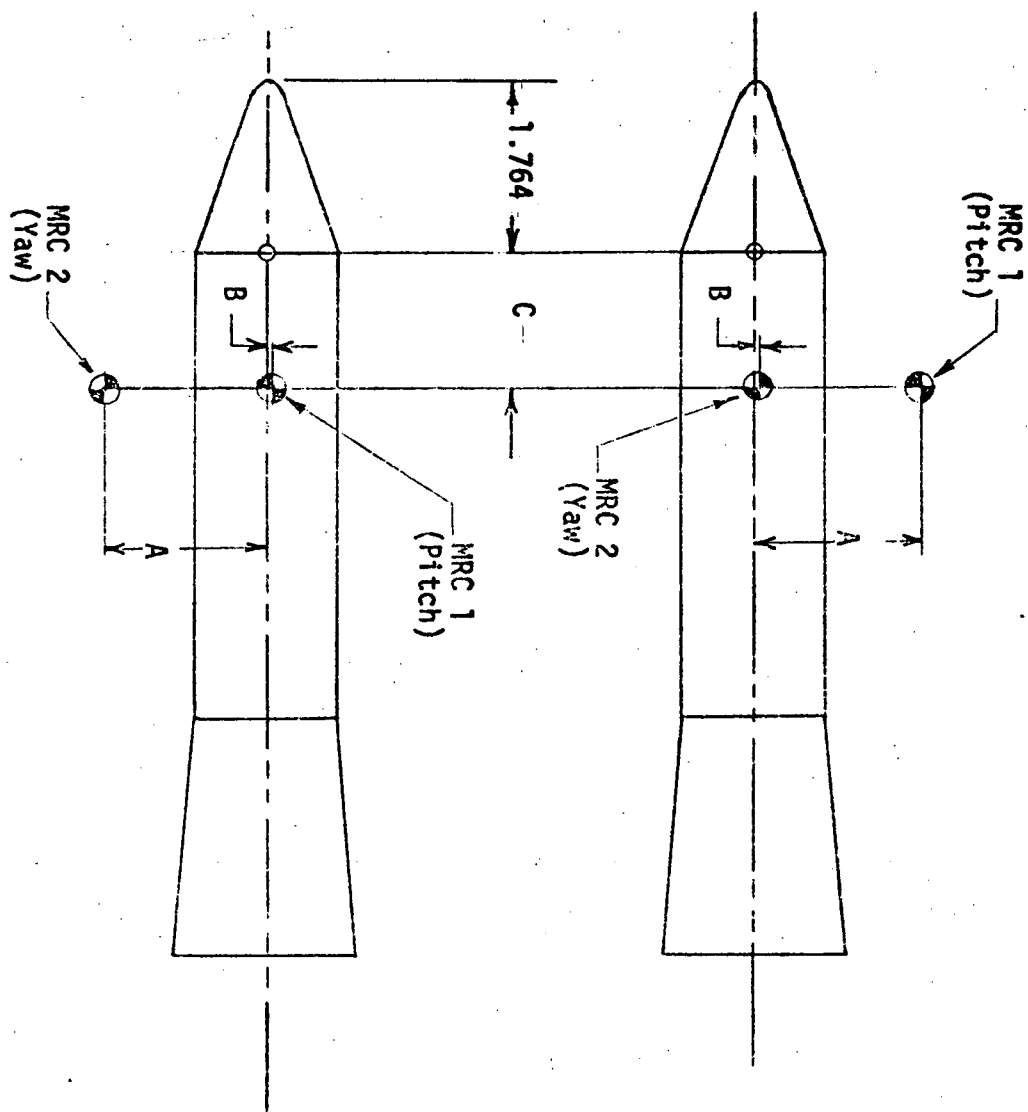
TANK	DIMENSION		
	A	B	C
T ₁	1.664	0.238	2.824
T ₂	1.664	0.238	2.824
T ₃	1.732	0.297	3.104

Booster Alone

X = 4.386" From nose
Y = 0
Z = 0

Figure 18. Moment Transfer Diagram for B₃ Booster Alone

MOMENT TRANSFER DIAGRAM B₄ Booster Alone



	DIMENSION		
TANK	A	B	C
T ₁	1.709	0.047	1.502
T ₂	1.709	0.047	1.502
T ₃	1.774	0.047	1.385

Booster Alone

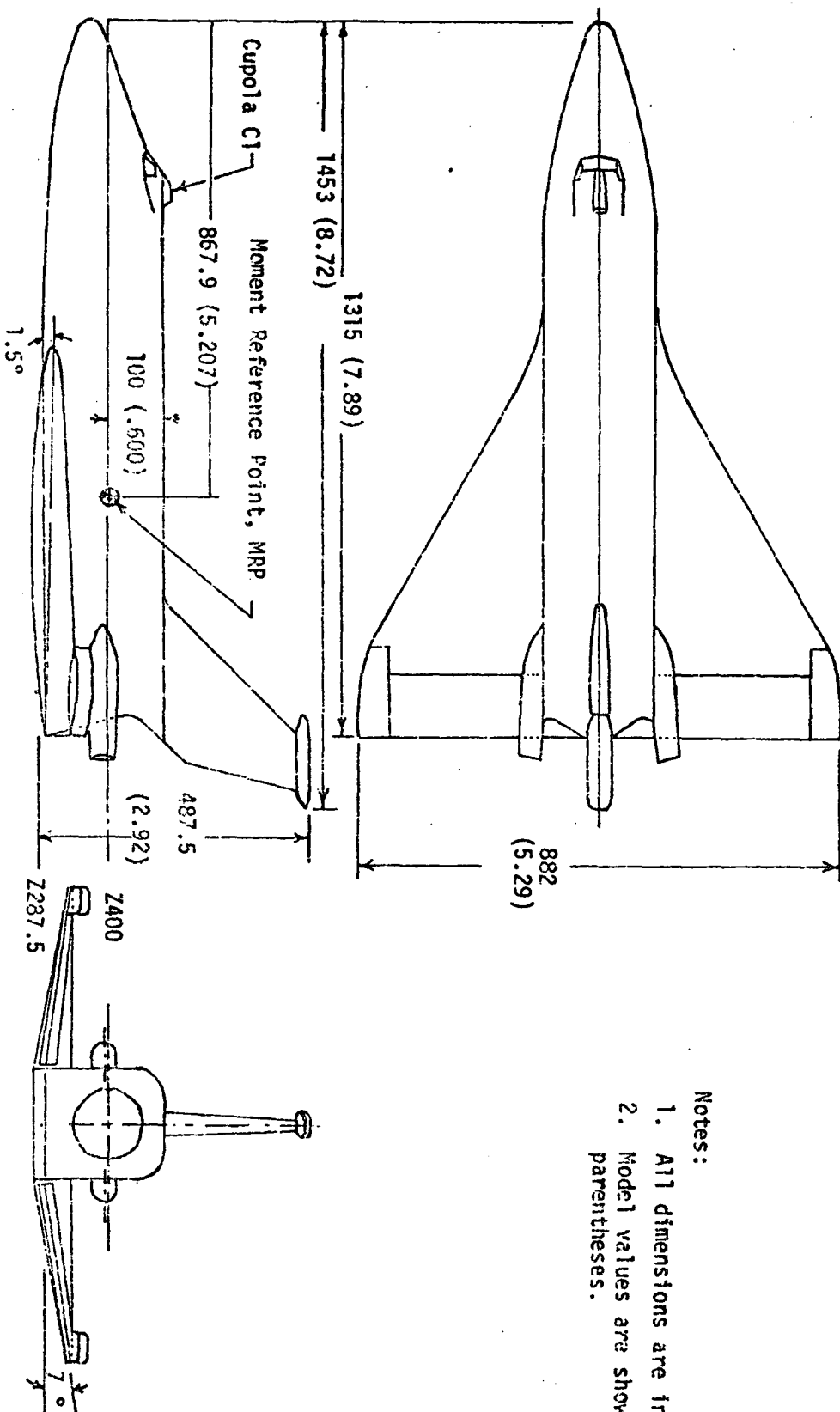
X = 3.152" From nose

Y = 0

Z = 0

Figure 19. Moment Transfer Diagram for B₄ Booster Alone

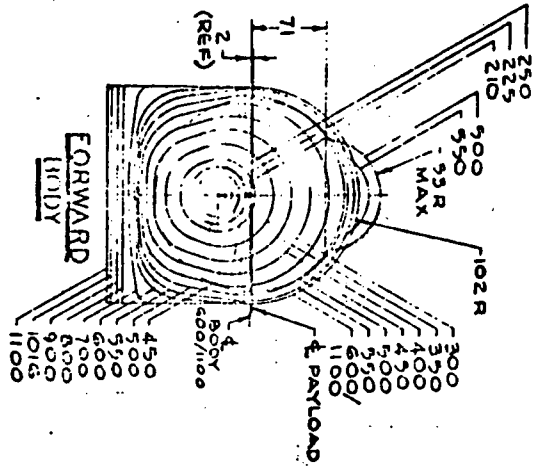
GENERAL ARRANGEMENT O4OA ORBITER



- Notes:
1. All dimensions are in inches
 2. Model values are shown in parentheses.

Figure 20. General Arrangement O4OA Orbiter

ORBITER BODY ~ B1



NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
2. MODEL VALUES ARE SHOWN IN PARENTHESES.

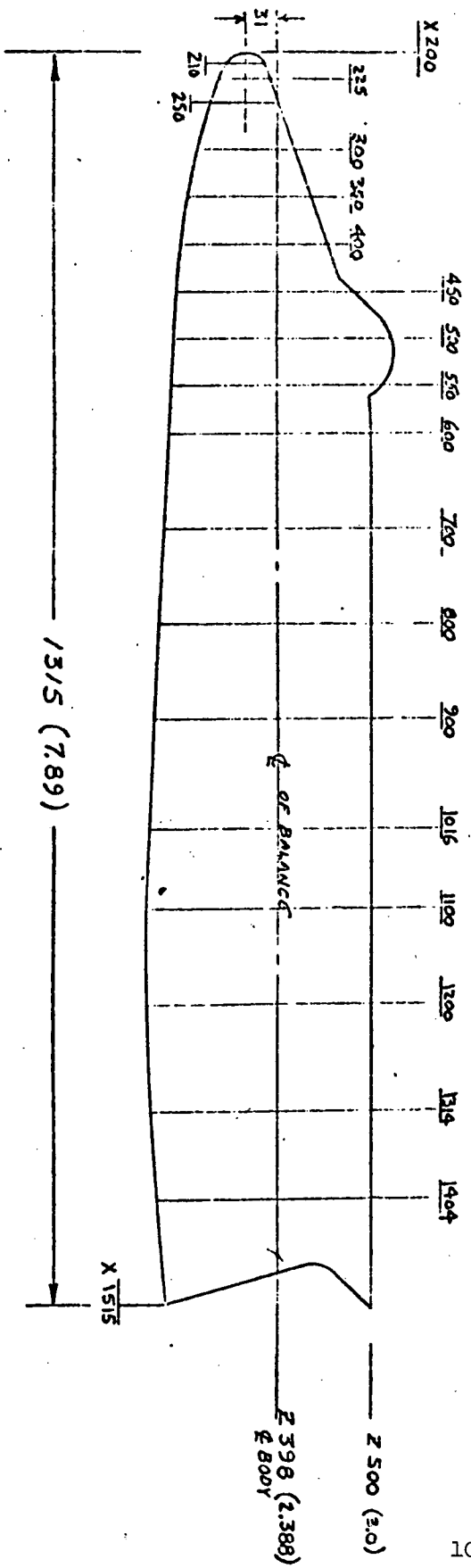
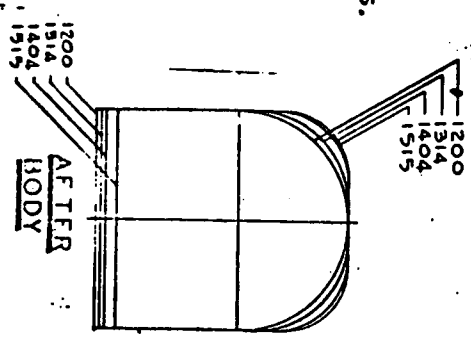
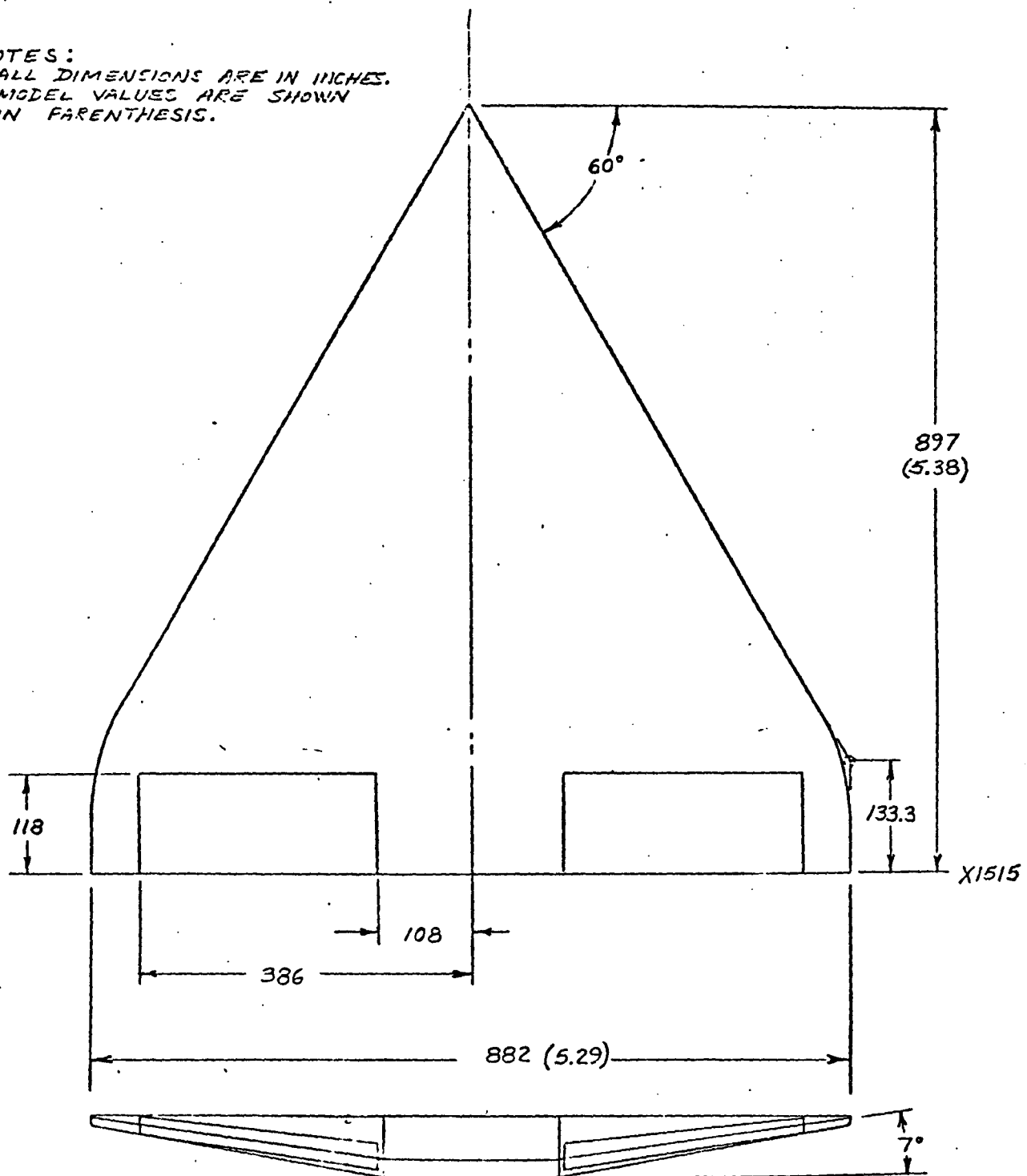


Figure 21. Orbiter Body, B₁

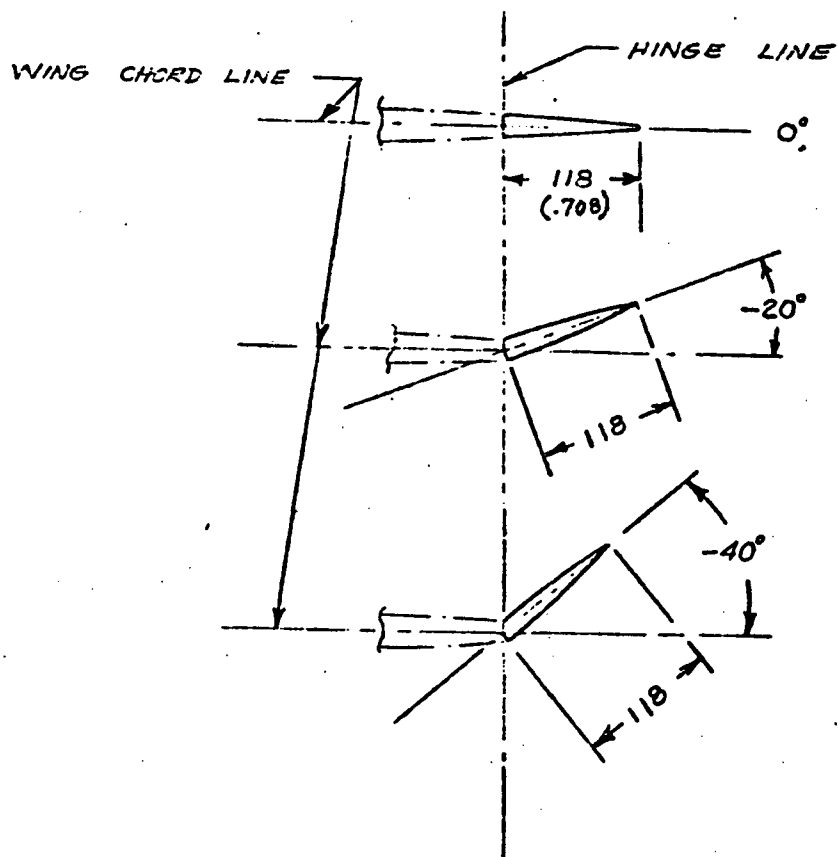
WING AND ELEVON ~ W1

NOTES:
 1. ALL DIMENSIONS ARE IN INCHES.
 2. MODEL VALUES ARE SHOWN
 IN PARENTHESIS.



.. Figure 22. Wing and Elevon, W₁

ELEVON DEFLECTIONS



RUDDER FLARE AT A TYPICAL SECTION

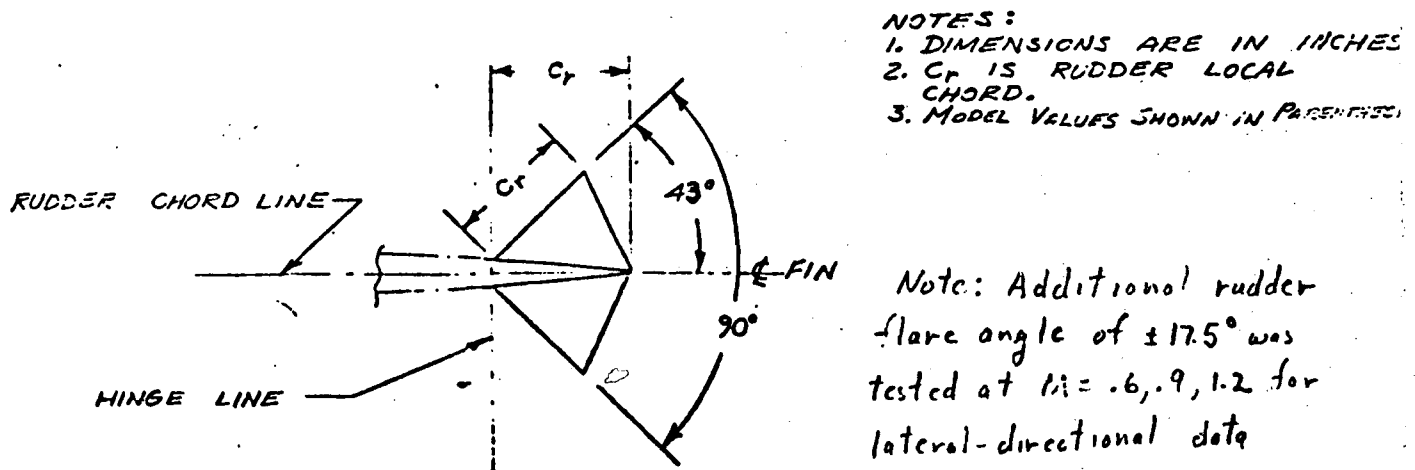
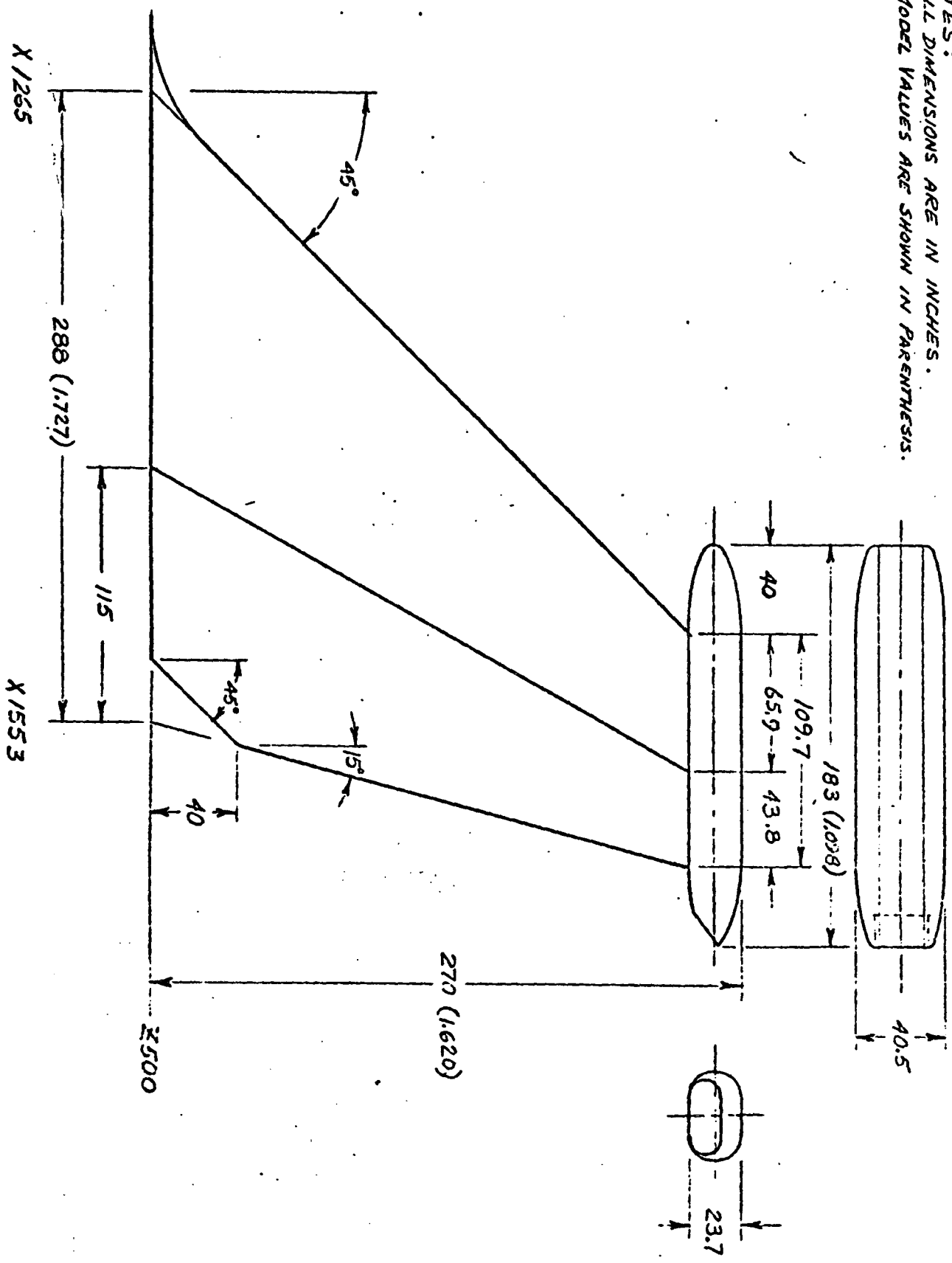


Figure 23. Elevon Deflections and Rudder Flare

Figure 24. Vertical Fin and Rudder, V1

NOTES:
 1. ALL DIMENSIONS ARE IN INCHES.
 2. MODEL VALUES ARE SHOWN IN PARENTHESES.



V₂ - LARGER AREA CENTERLINE VERTICAL TAIL AND RUDDER

$$S_v = 2.514 \text{ in}^2$$

$$b = 2.215 \text{ in}$$

$$\bar{c} = 1.239 \text{ in}$$

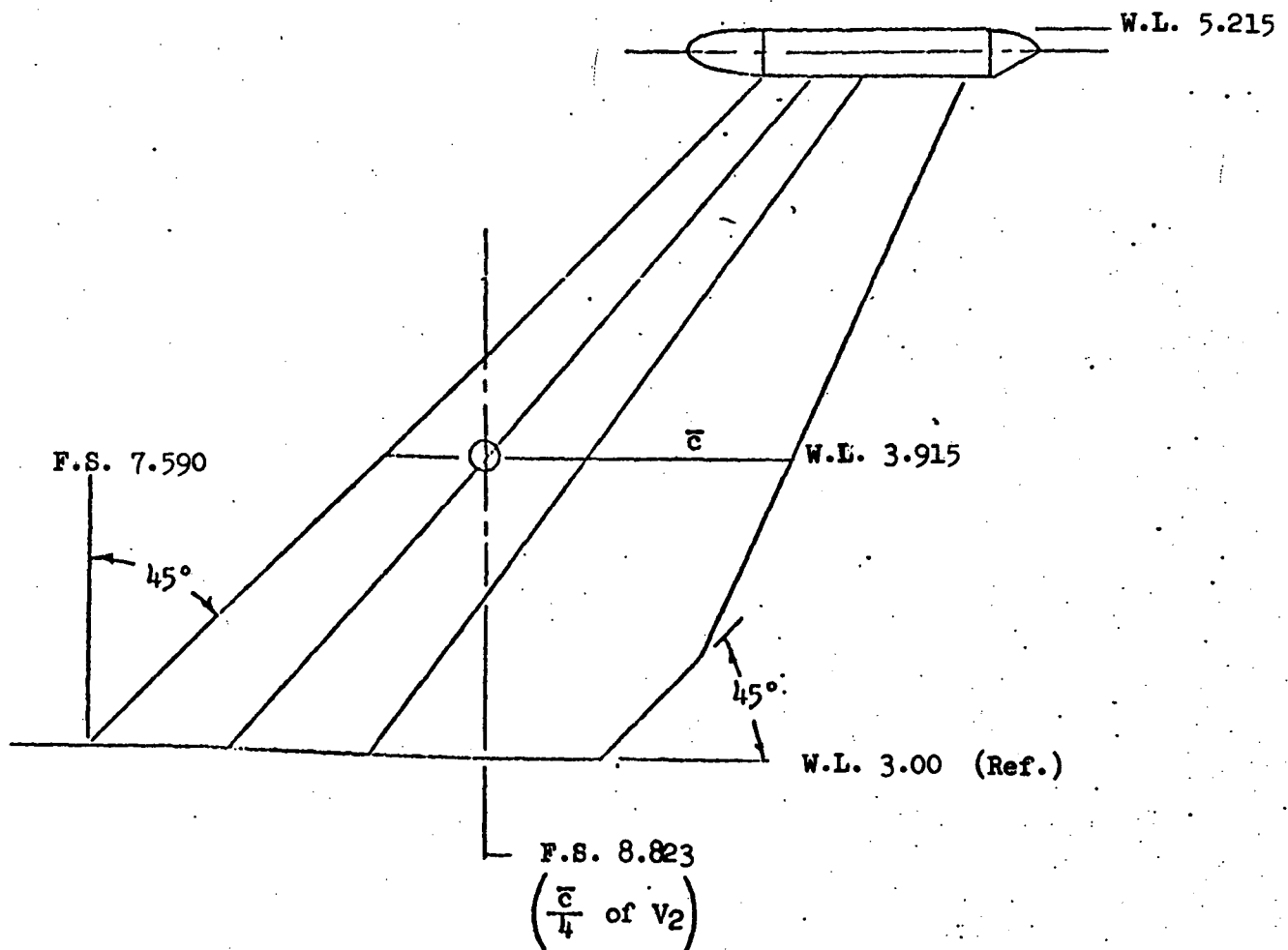
$$AR = 1.95$$

$$C_R = 1.728 \text{ in}$$

$$C_T = 0.542 \text{ in}$$

$$\lambda = 0.310$$

$$\Lambda_{LE} = 45^\circ$$

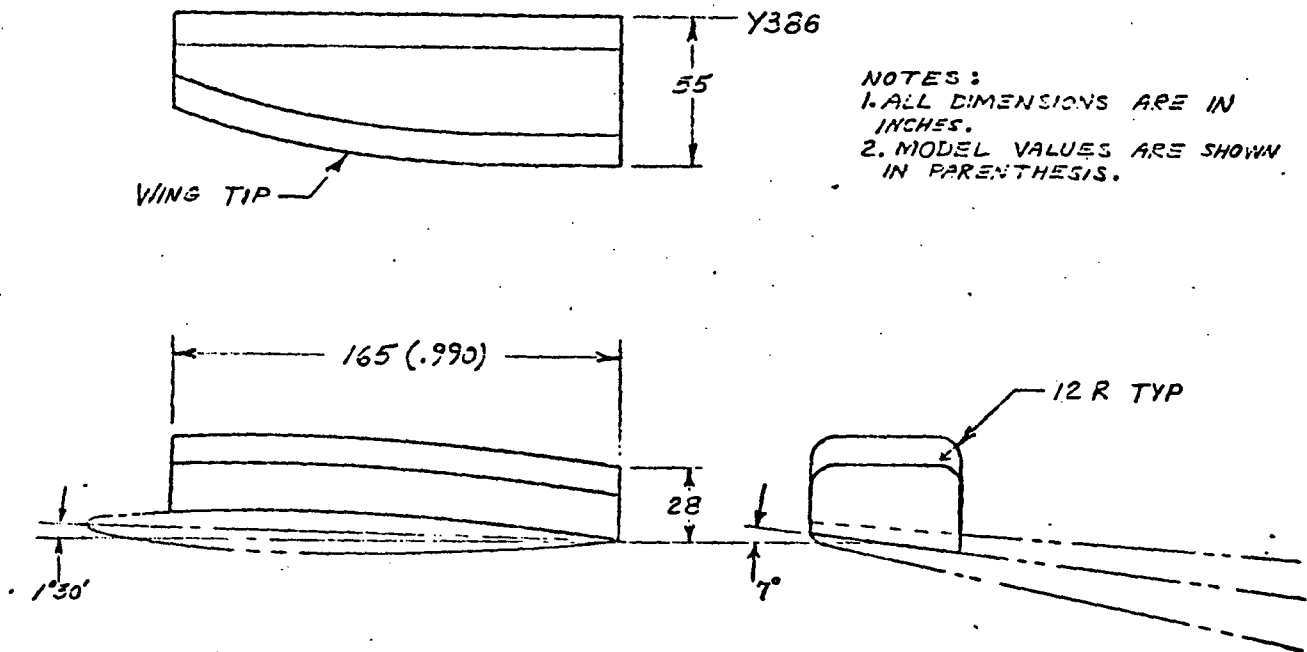


Note: All dimensions are model scale in inches.

Figure 25. Vertical Fin and Rudder, V₂

MCDONNELL DOUGLAS CORPORATION

ACPS ENGINE POD ~ P1



OMS ENGINE POD ~ M1

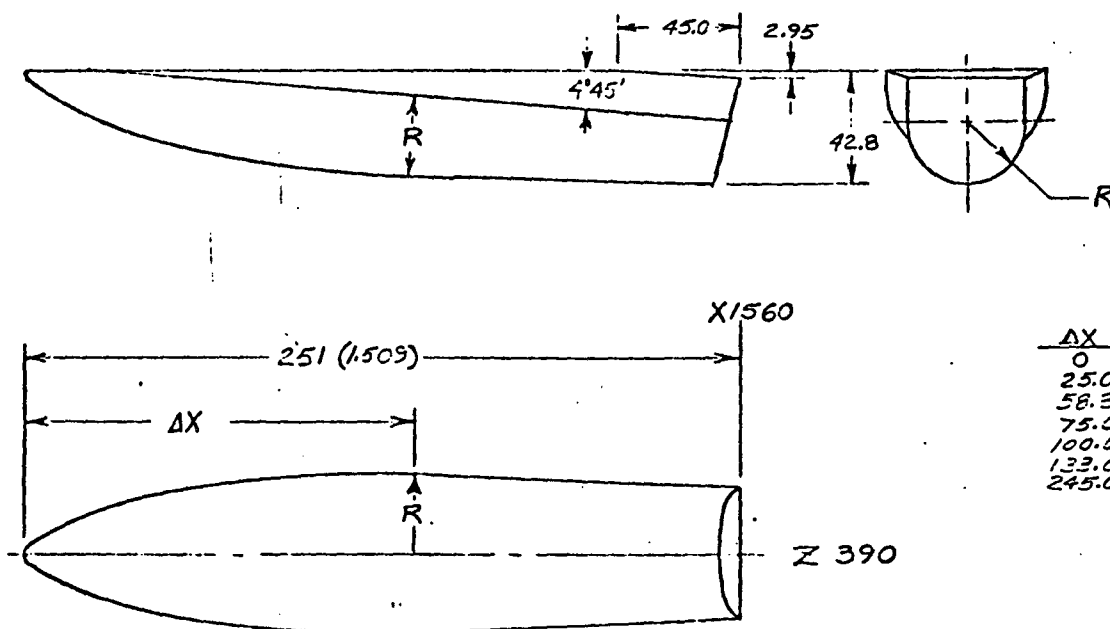
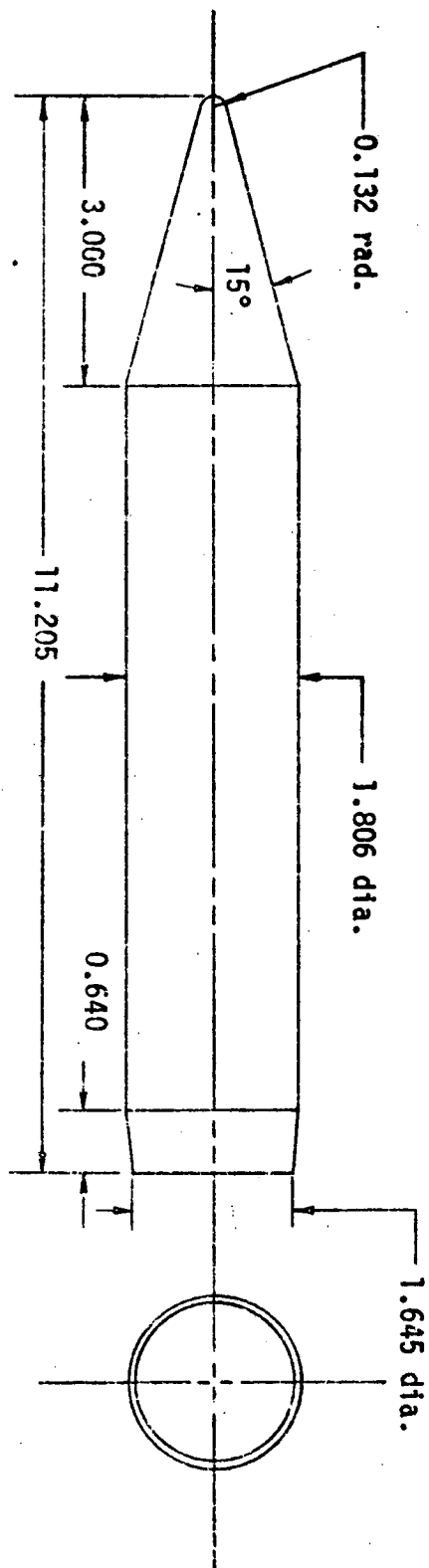


Figure 26. ACPS Engine Pod, P1 and OMS Engine Pod, M1

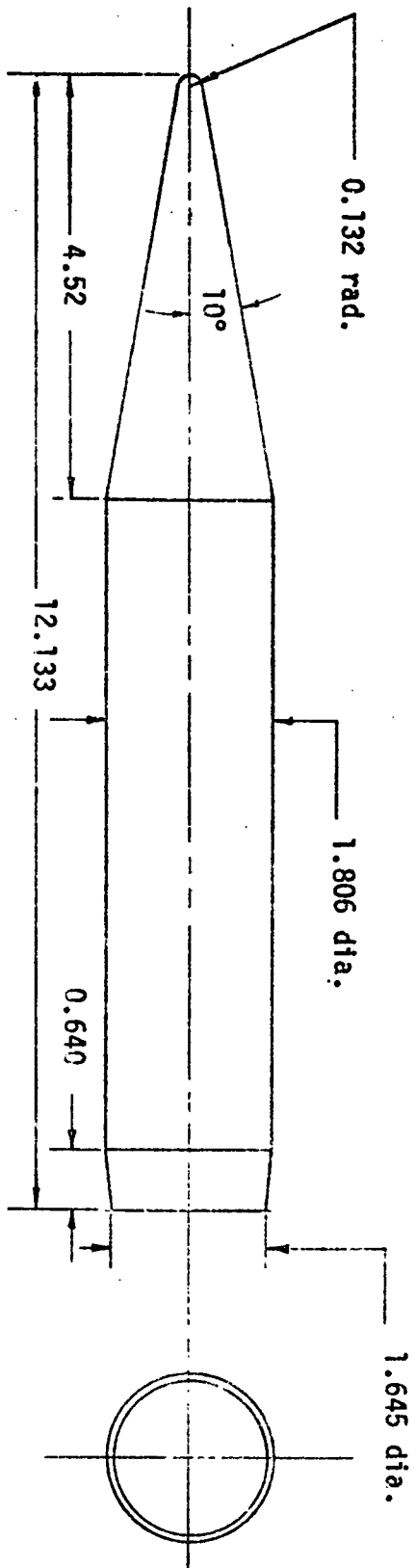
HO TANK, T₁



All dimensions are model scale, in inches.

Figure 27. Centerline HO Tank, T₁

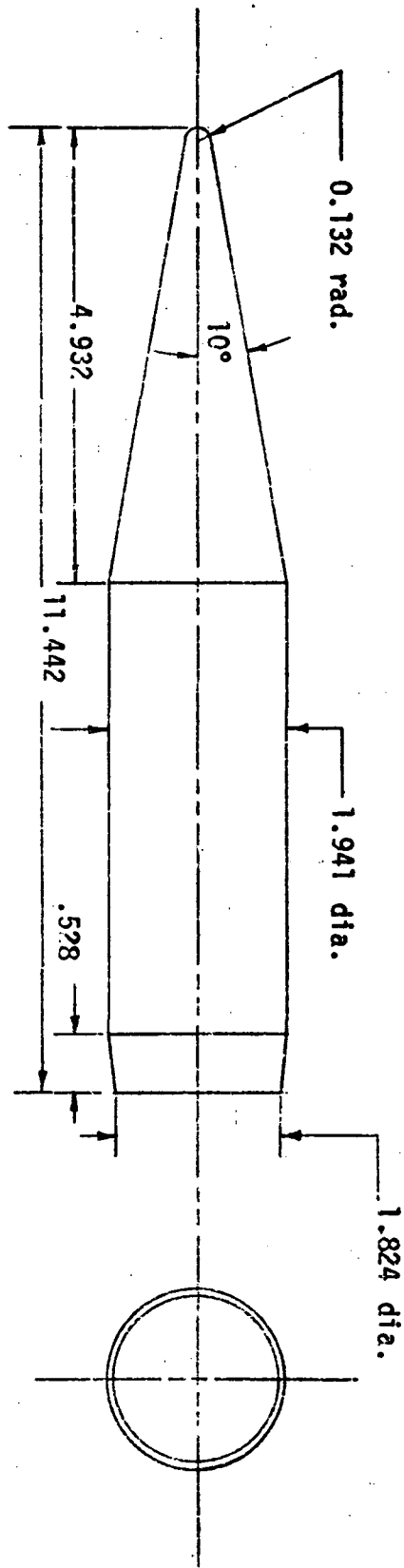
HO TANK, T₂



All dimensions are model scale, in inches.

Figure 28. Centerline HO Tank, T₂

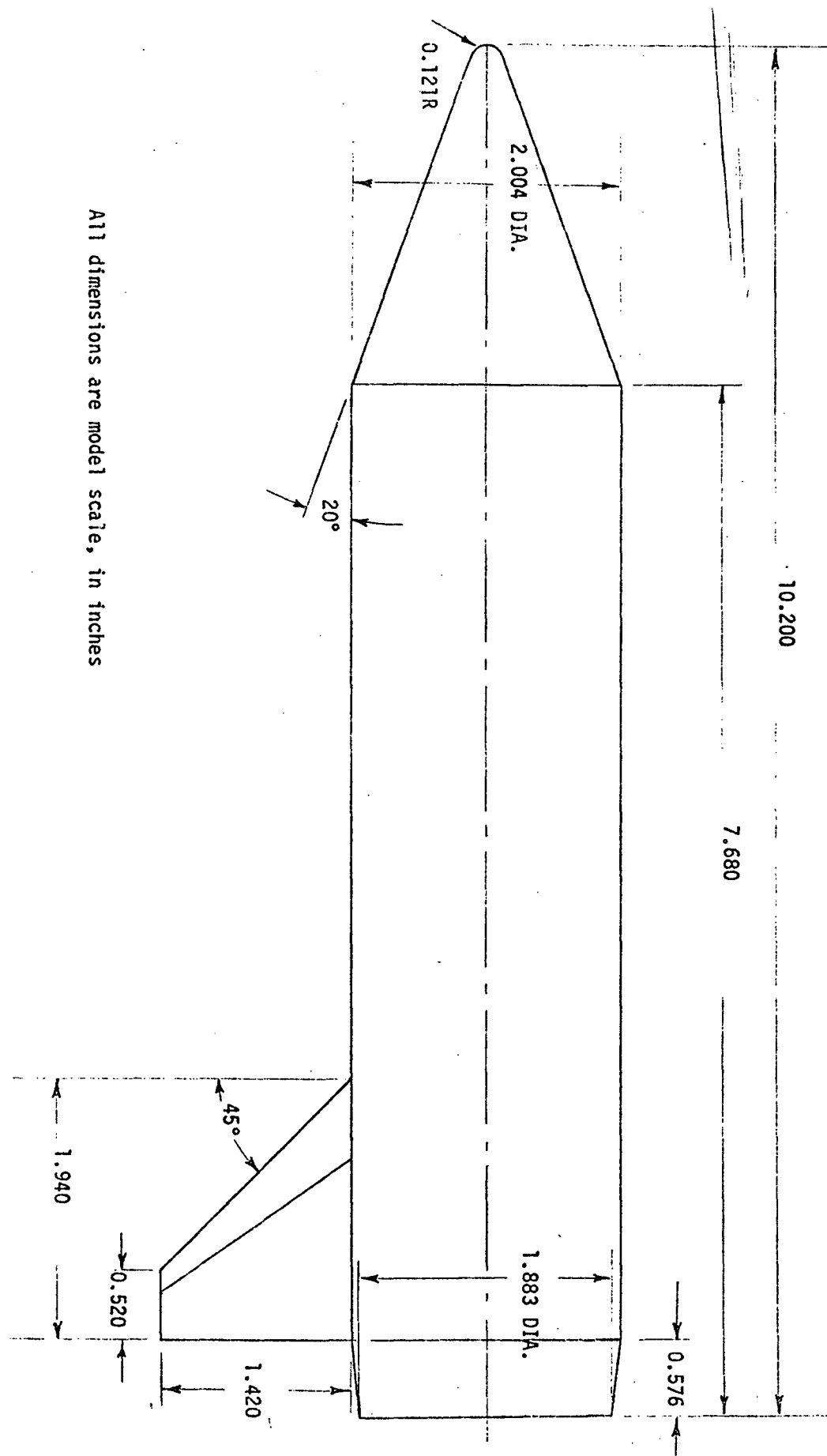
HO TANK, T₃



All dimensions are model scale, in inches.

Figure 29. Centerline HO Tank, T₃

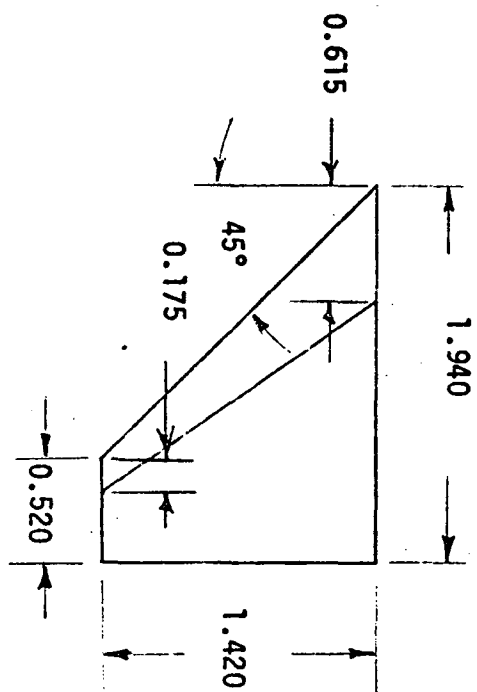
TANK T₄ WITH TANK VENTRAL FIN, F₁



All dimensions are model scale, in inches

Figure 30. Centerline HO Tank T₄ With Tank Ventral Fin, F₁

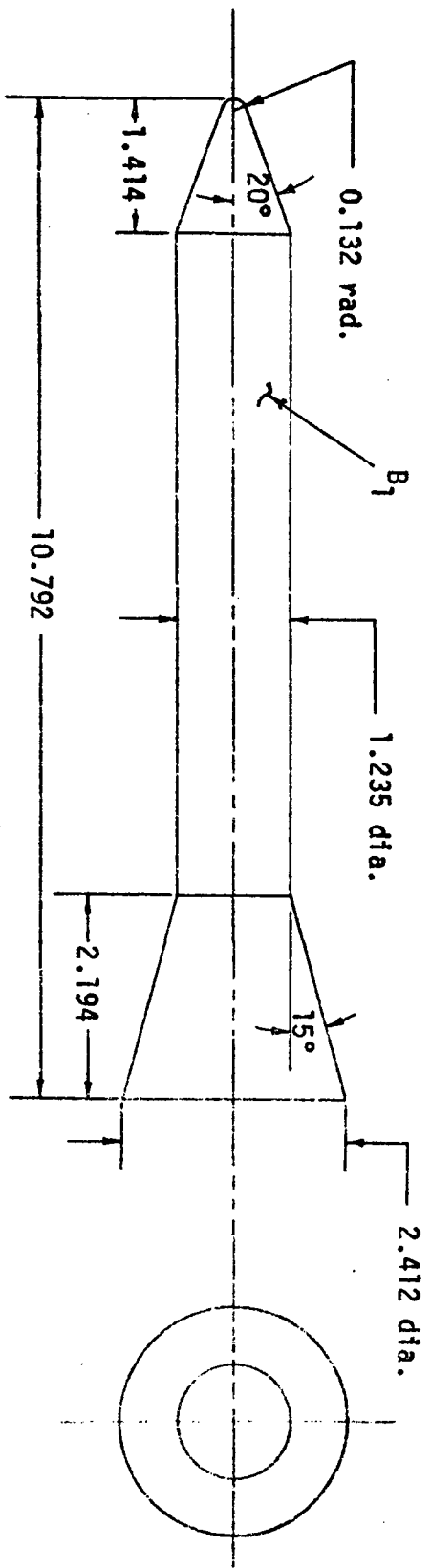
TANK VENTRAL FIN, F_1



All dimensions are model scale, in inches

Figure 31. Centerline Ventral Fin, F_1

BOOSTER, B₁ & B₅



All dimensions are model scale, in inches.

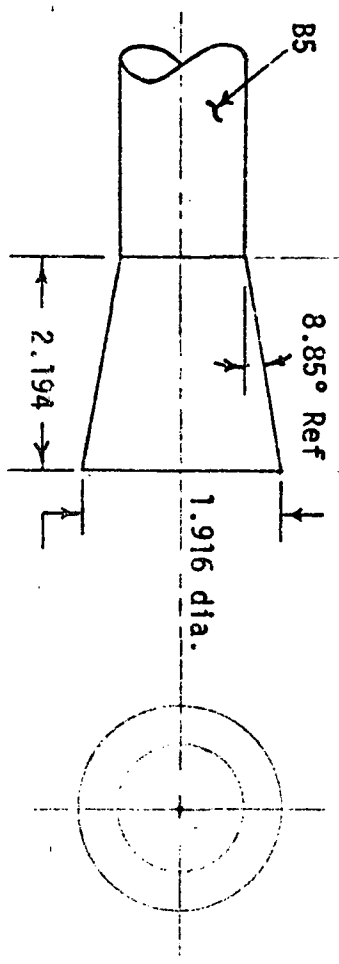


Figure 32. Boosters, B₁ and B₅

B₁S₁

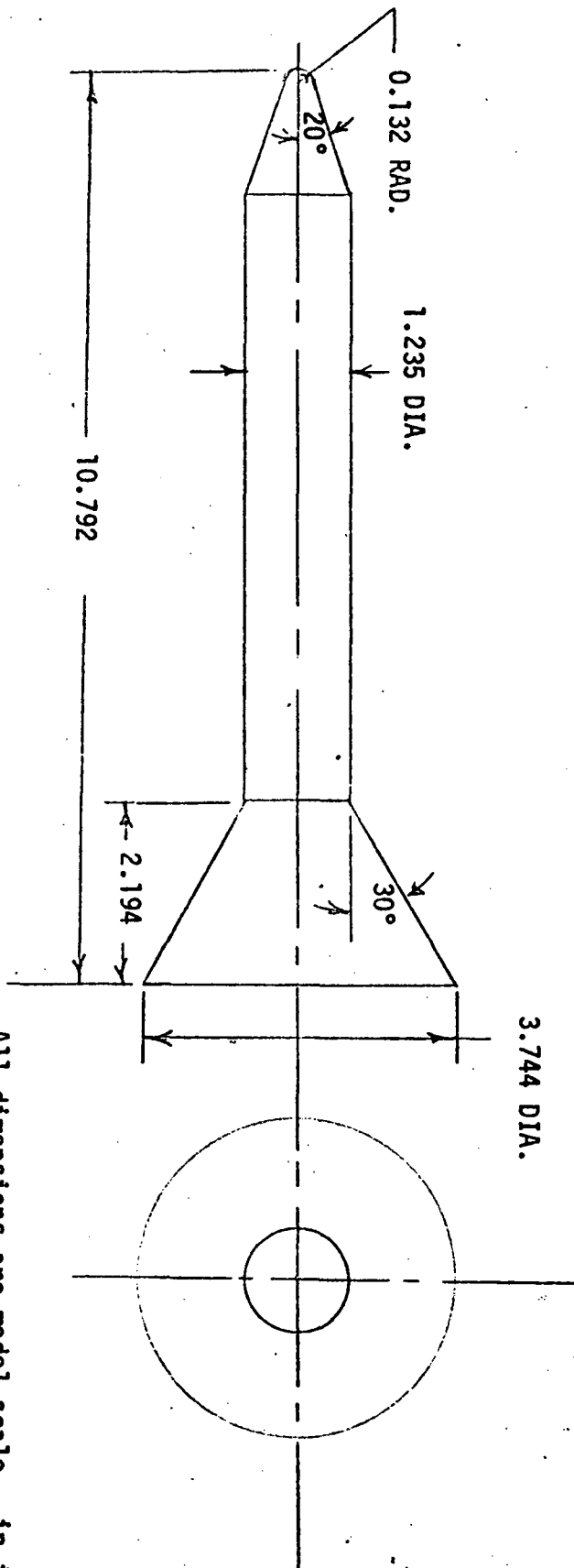
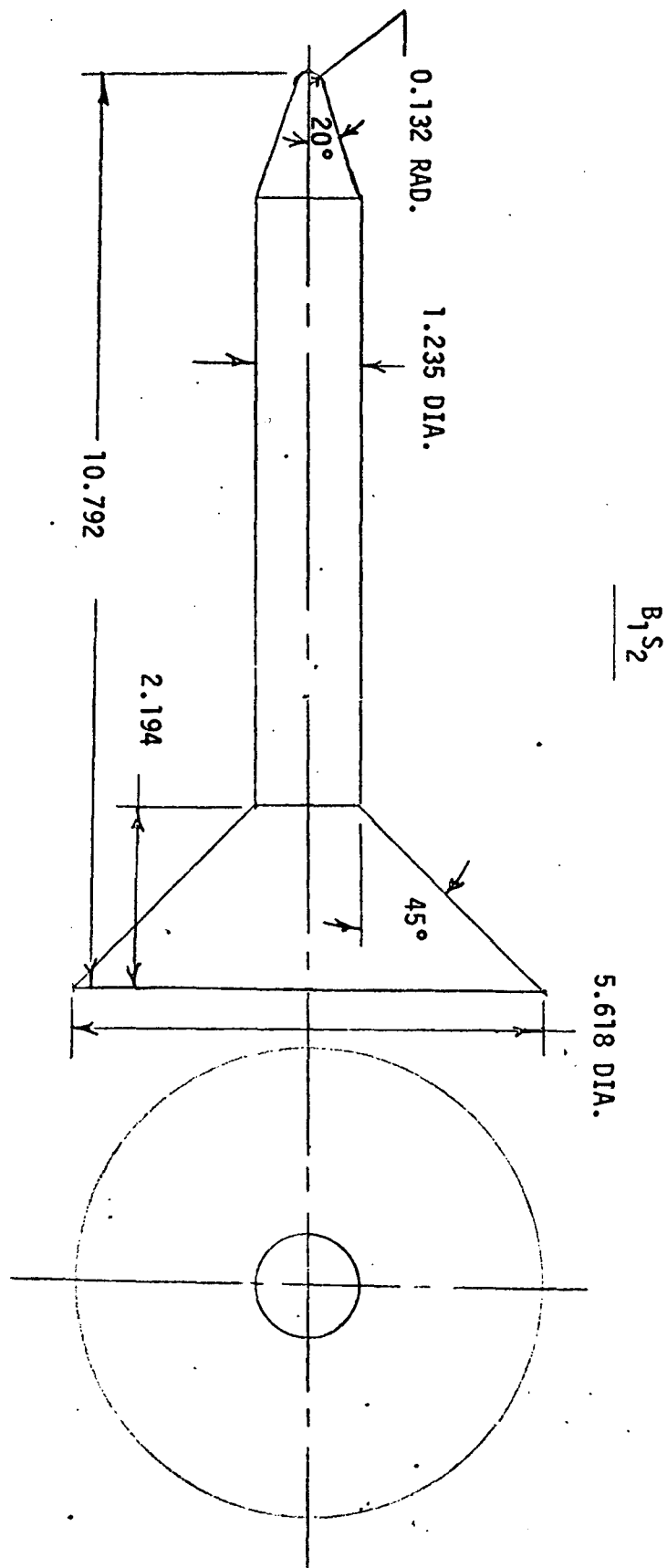


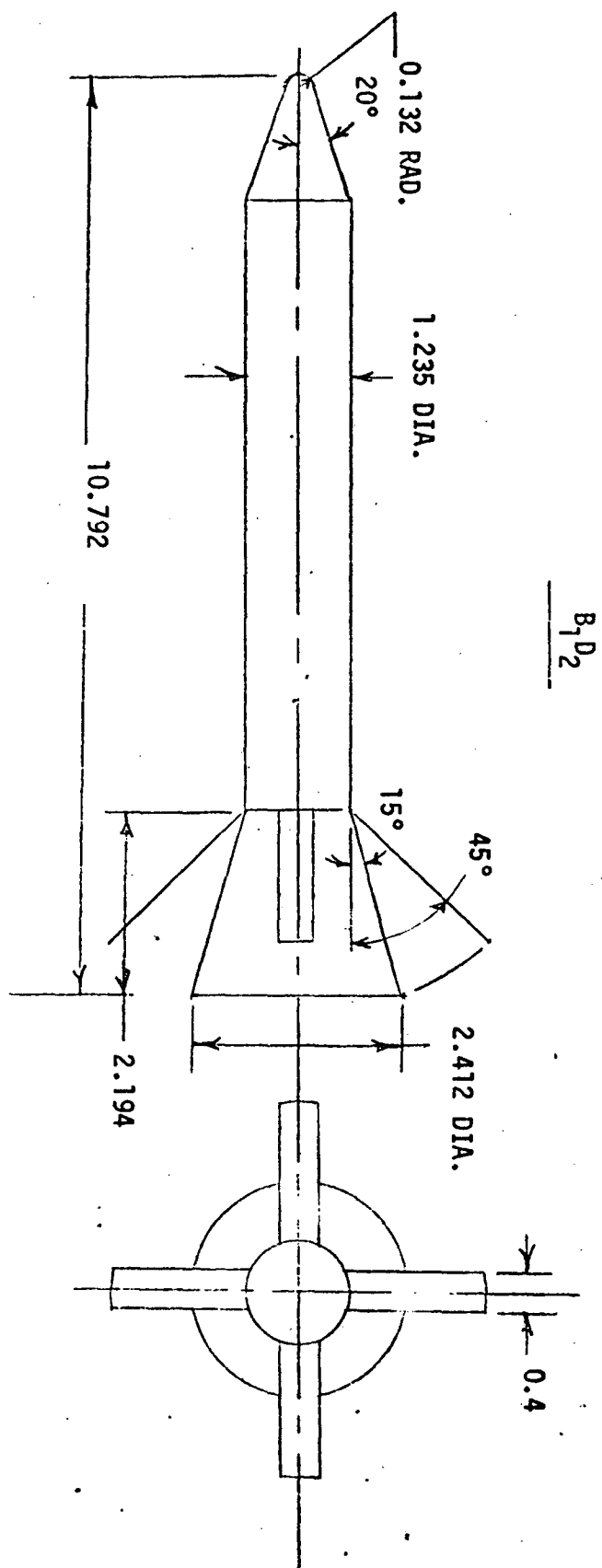
Figure 33. Booster, B₁S₁

All dimensions are model scale , 1 in inches



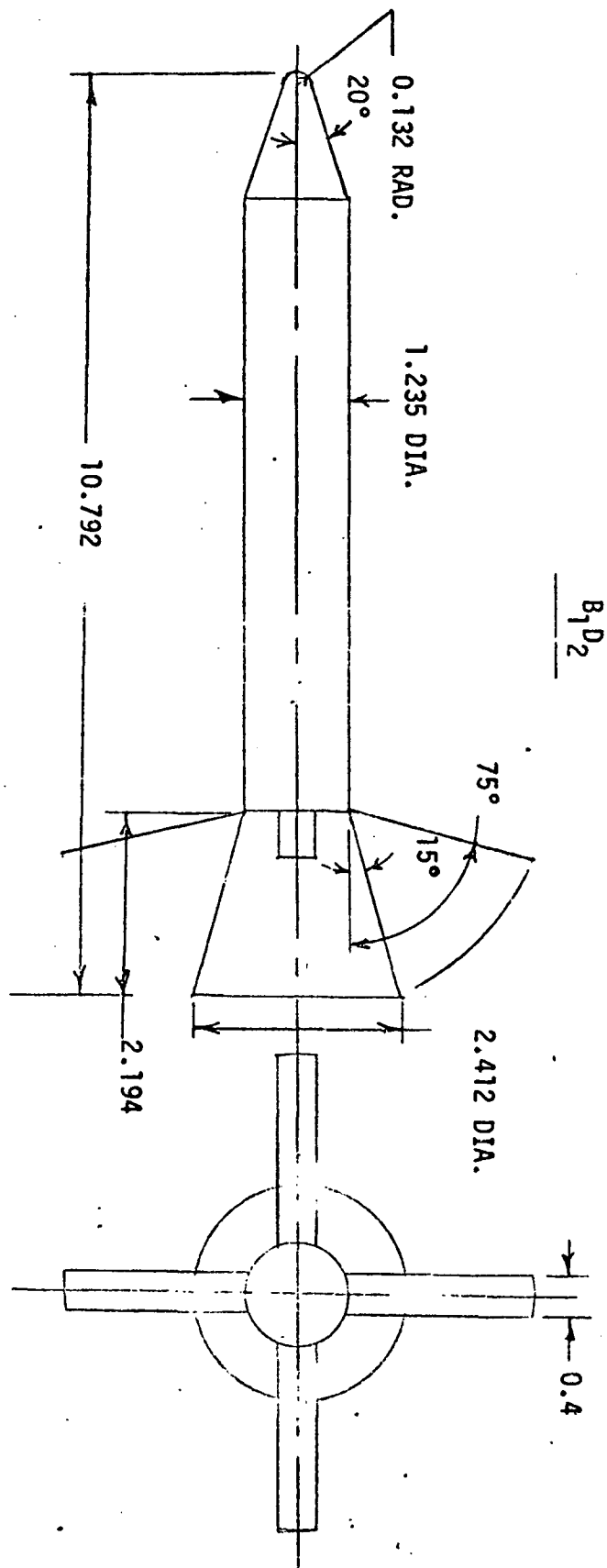
All dimensions are model scale, in inches

Figure 34. Booster, B_1S_2



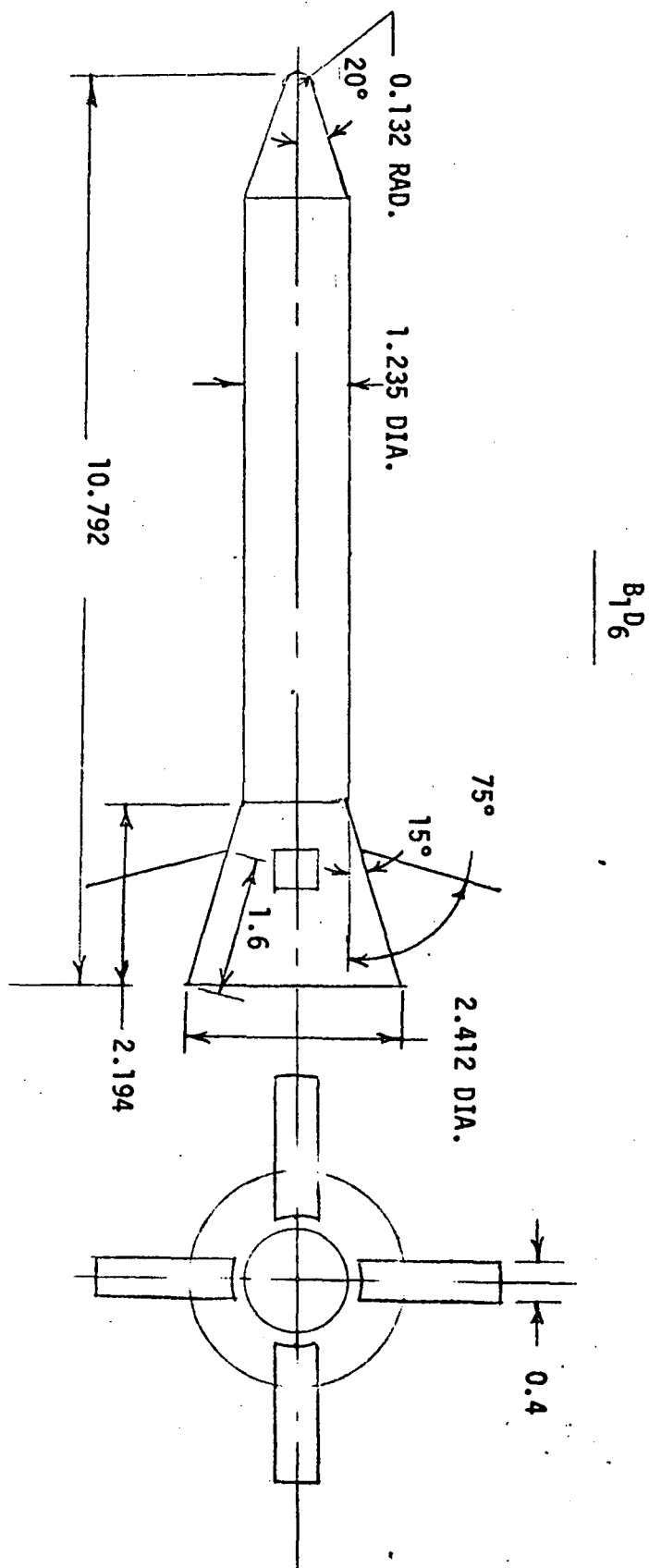
All dimensions are model scale, in inches

Figure 35. Booster, B_1D_2



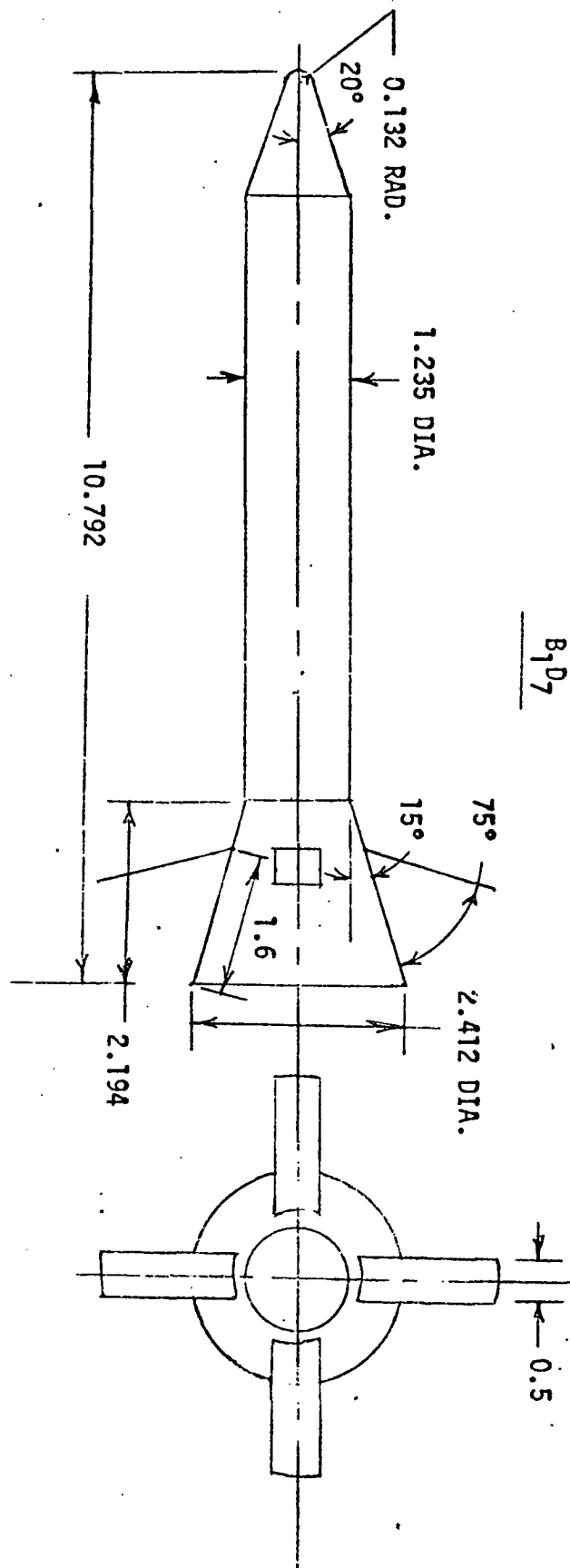
All dimensions are model scale, in inches

Figure 35. (Continued)



All dimensions are model scale, in inches

Figure 36. Booster, B_1D_6



All dimensions are model scale, in inches

Figure 37. Booster, B₁D₇

BOOSTERS, B₂ & B₂S & B₆

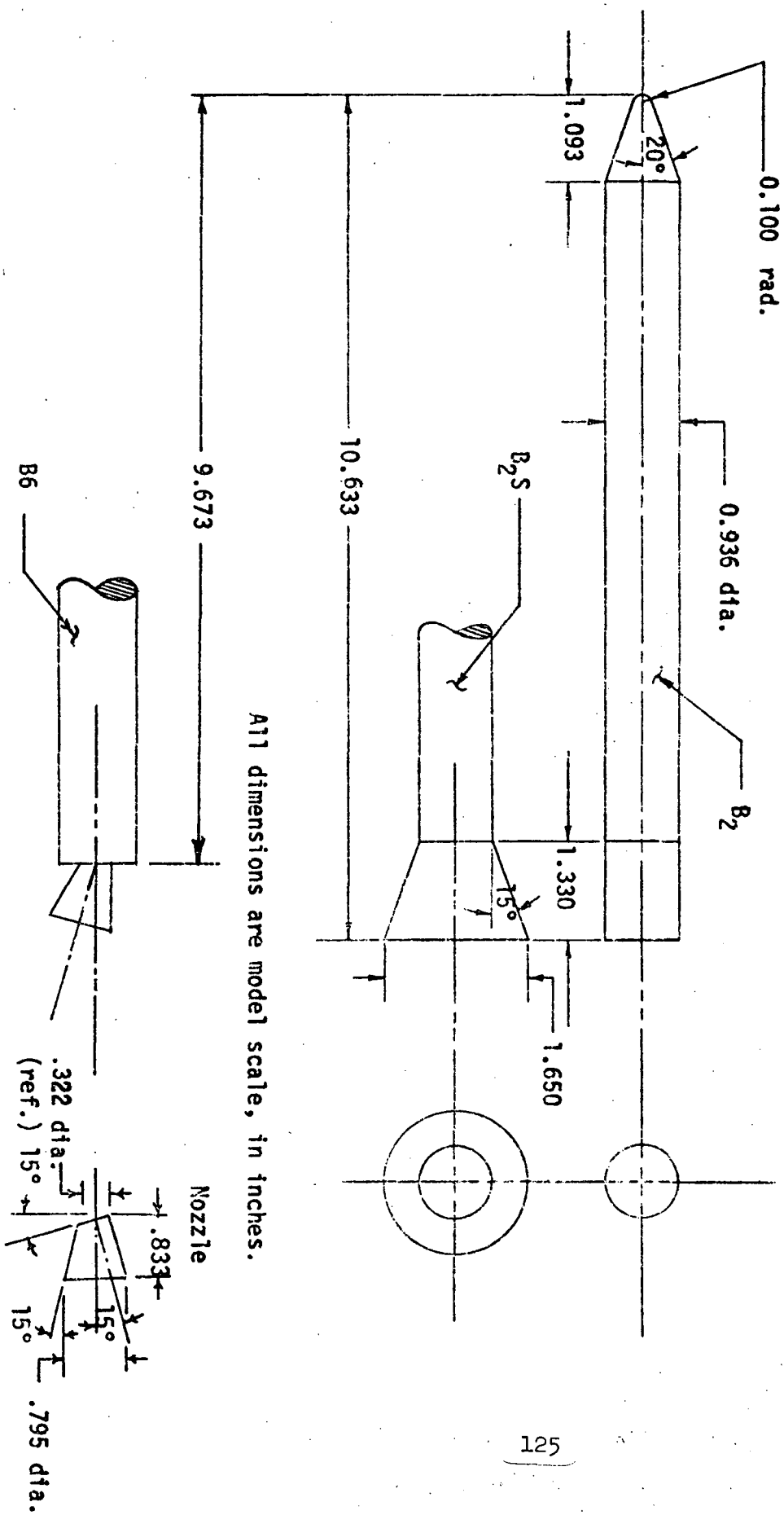
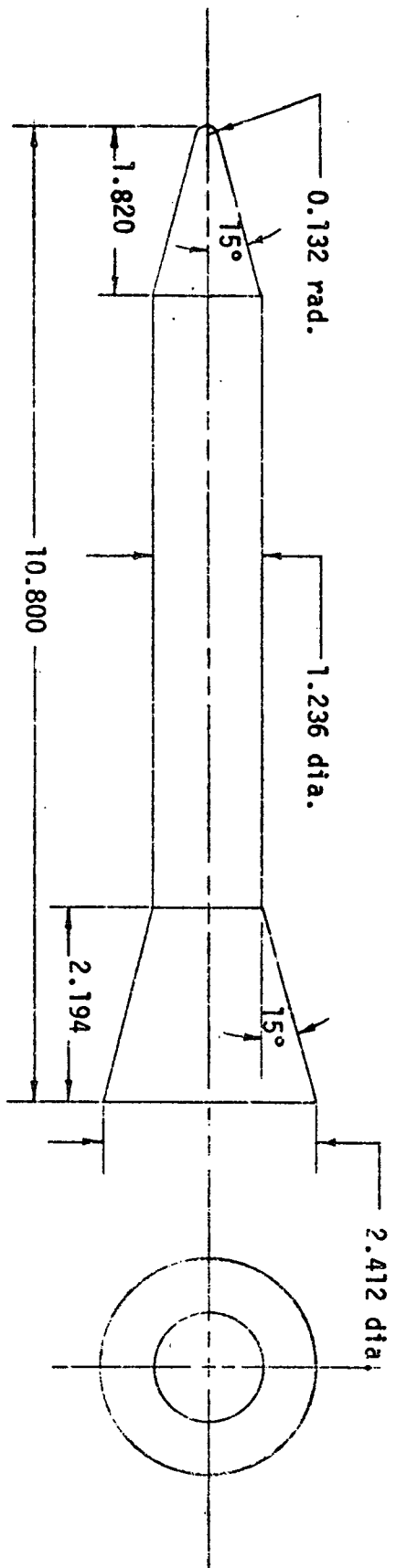


Figure 38. Boosters, B₂, B₂S & B₆

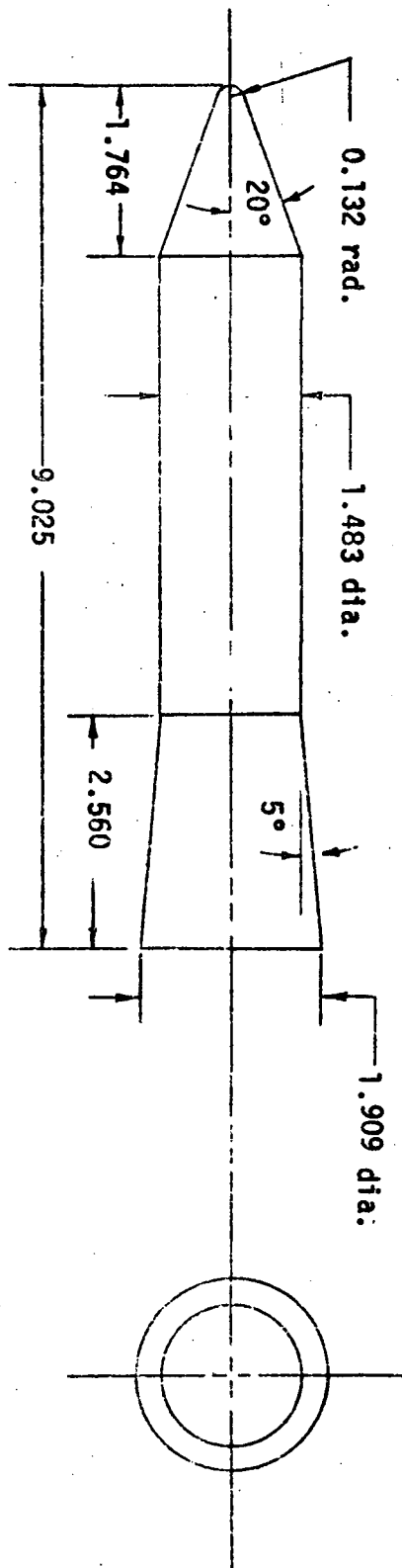
BOOSTER, B₃



All dimensions are model scale, in inches.

Figure 39. Booster, B₃

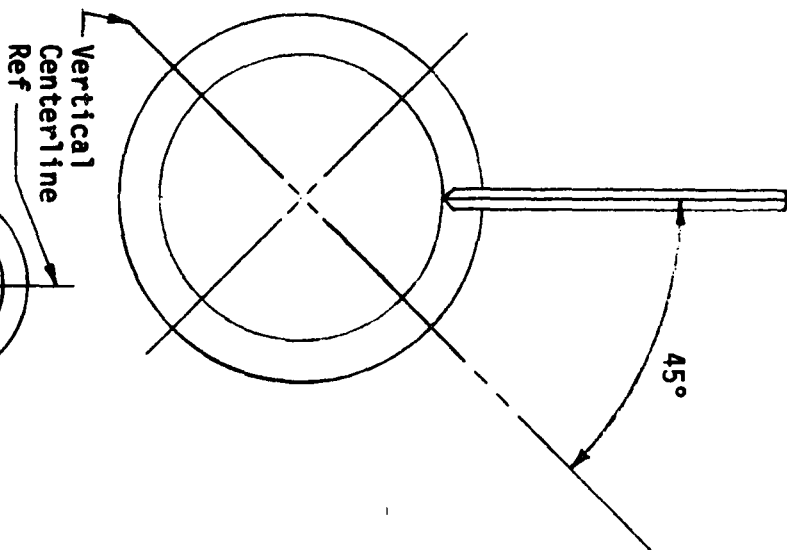
BOOSTER, B₄



All dimensions are model scale, in inches.

Figure 40. Booster, B₄

FIN, F4



Vertical
Centerline
Ref _____

Figure 41. Booster F1n F4 Mounted on Booster B4

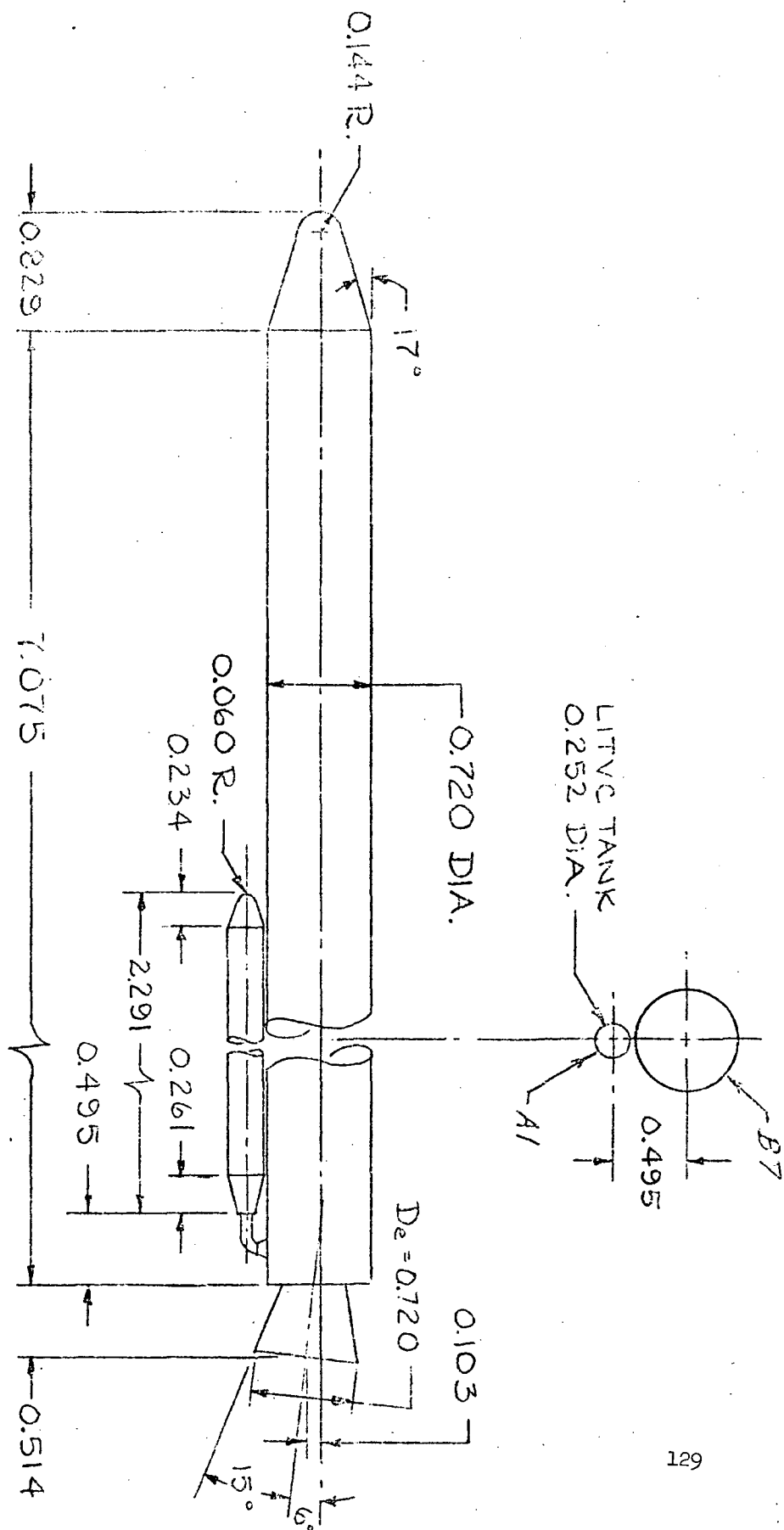


Figure 42. Booster, B7A1

0.6% SCALE MODEL
120 INCH, 7 SEGMENT SRM

B7A1

SLATER FOR HRM 012072
REVISIONS 1-13-72

PREPARED BY: _____
CHECKED BY: _____
DATE: _____

DIVISION _____

PAGE: _____
MODEL: _____

TITLE: _____

REPORT NO: _____

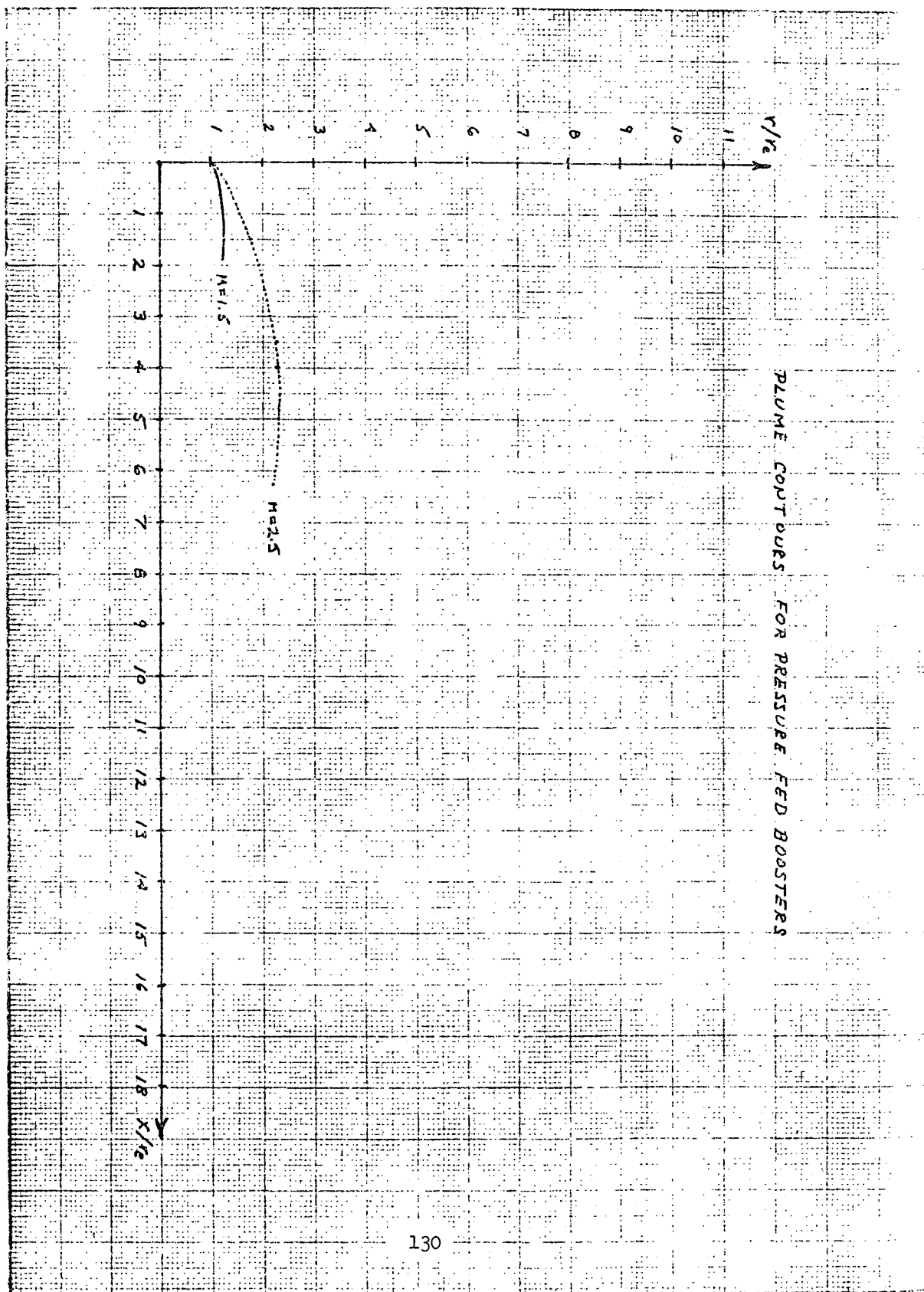
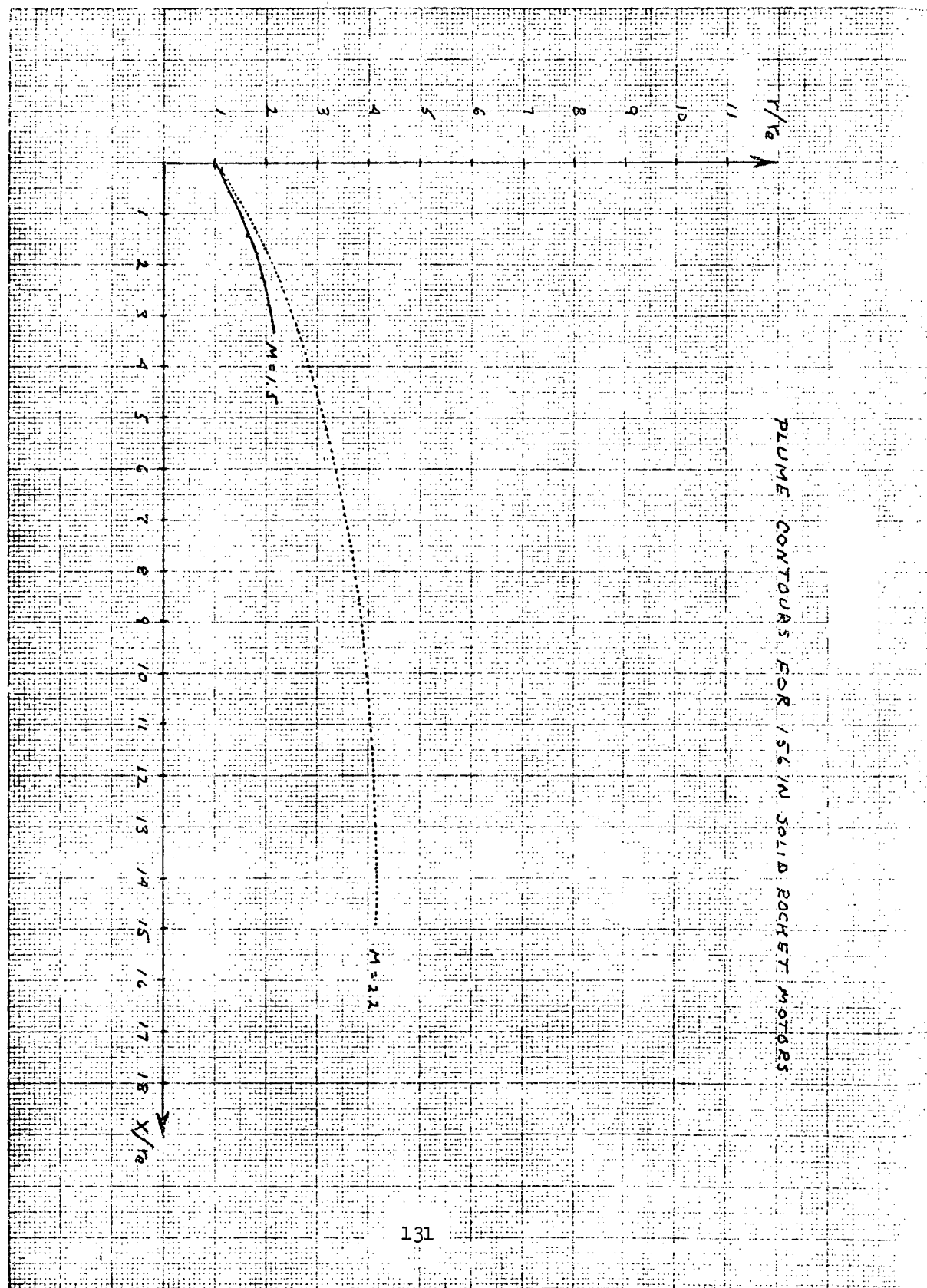


Figure 43. Plume Contours for Pressure Fed Boosters

Figure 44. Plume Contours for 156 Inch Solid Rocket Motors



PREPARED BY: _____
 CHECKED BY: _____
 DATE: _____
 TITLE: _____

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY

PAGE: _____
 DIVISION: _____
 MODEL: _____
 REPORT NO.: _____

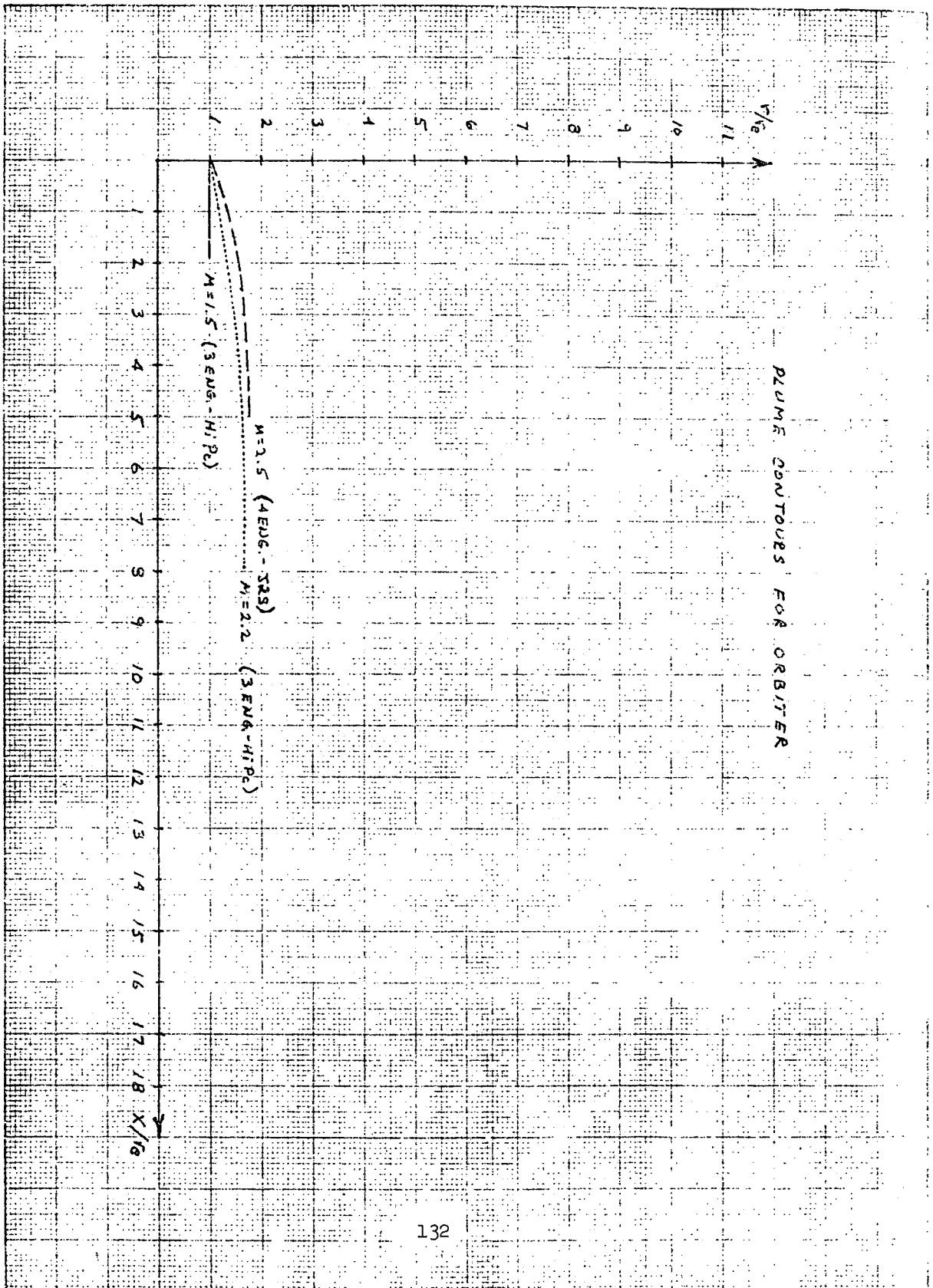
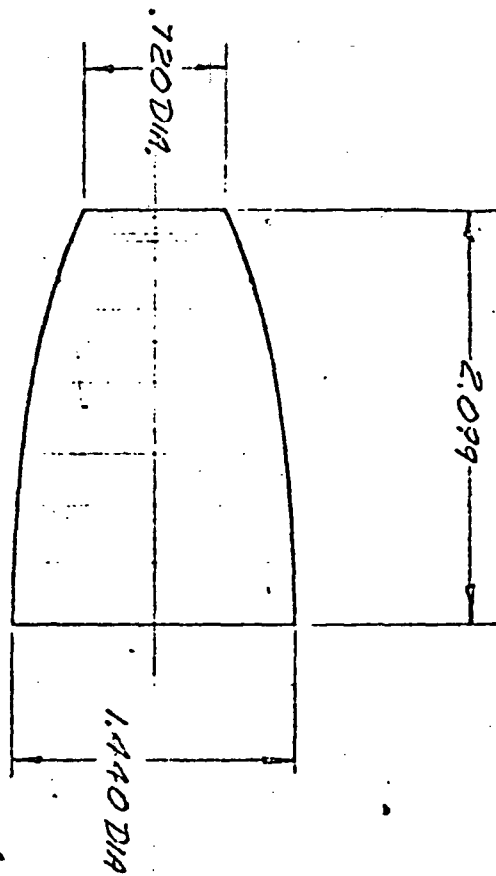


Figure 45. Plume Contour for Orbiter

M1.5 PLUME - B₇ BOOSTER



M2.2 PLUME - B₇ BOOSTER

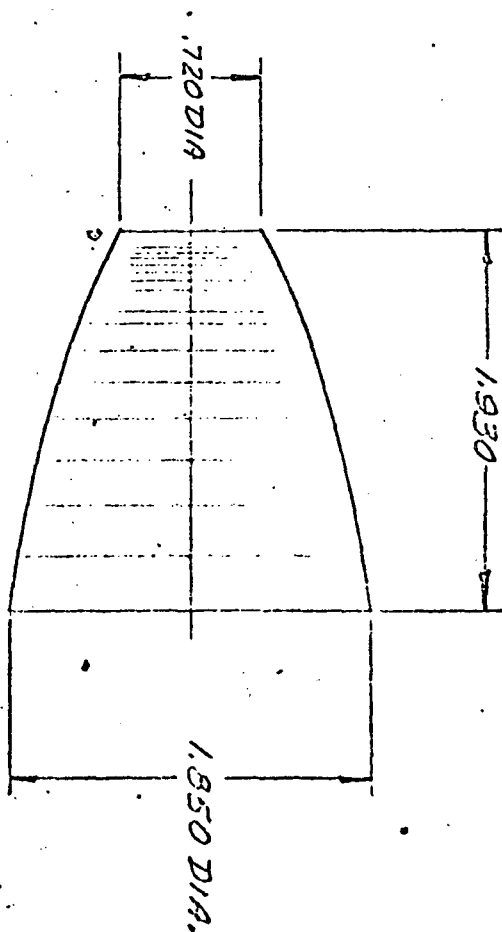
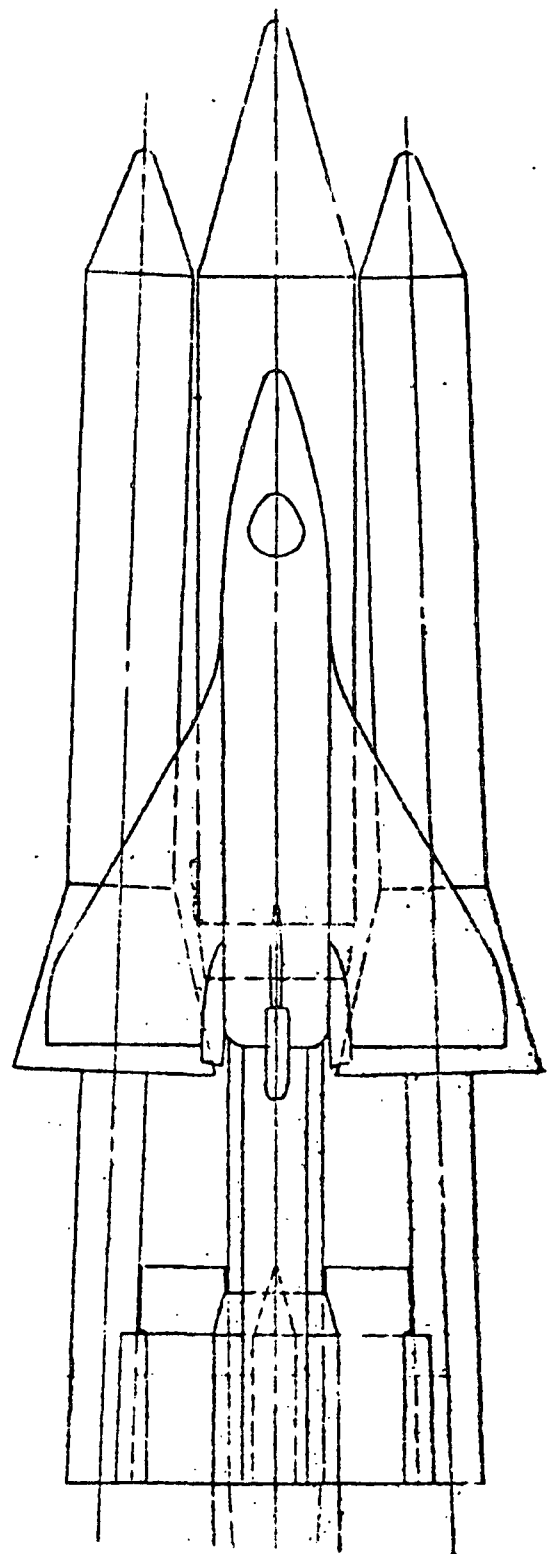


Figure 46. Sketch of Plume for Booster B₇



MODEL SUPPORT SYSTEM DETAIL

Configuration shown provides independent support for boosters tank and orbiter.

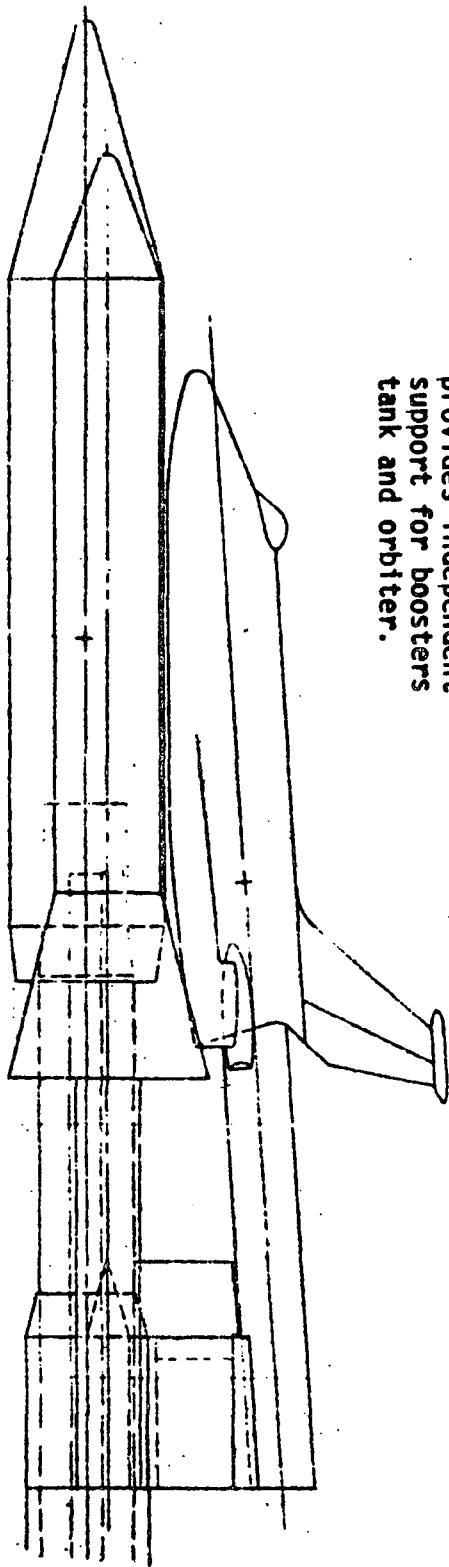


Figure 47. Tunnel Installation for the OBT Configuration-Pitch Series (Orbiter, Tank and Booster Independently Supported)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Boosters and Orbiter fixed to centerline tank.

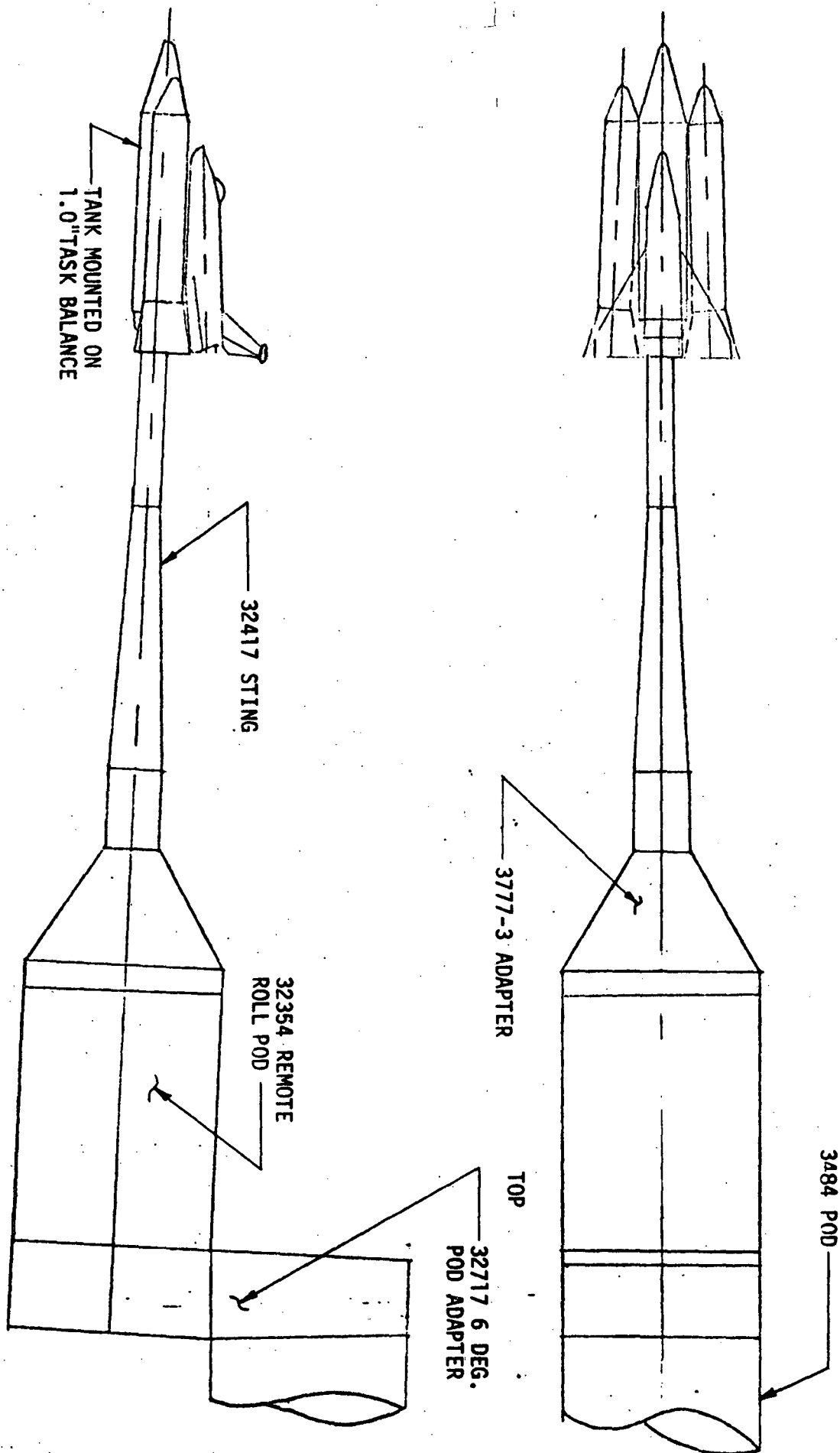


Figure 48. Tunnel Installation for the OBT Configuration-Pitch Series
(Booster and Orbiter Fixed to Centerline Tank)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Boosters fixed to centerline tank.

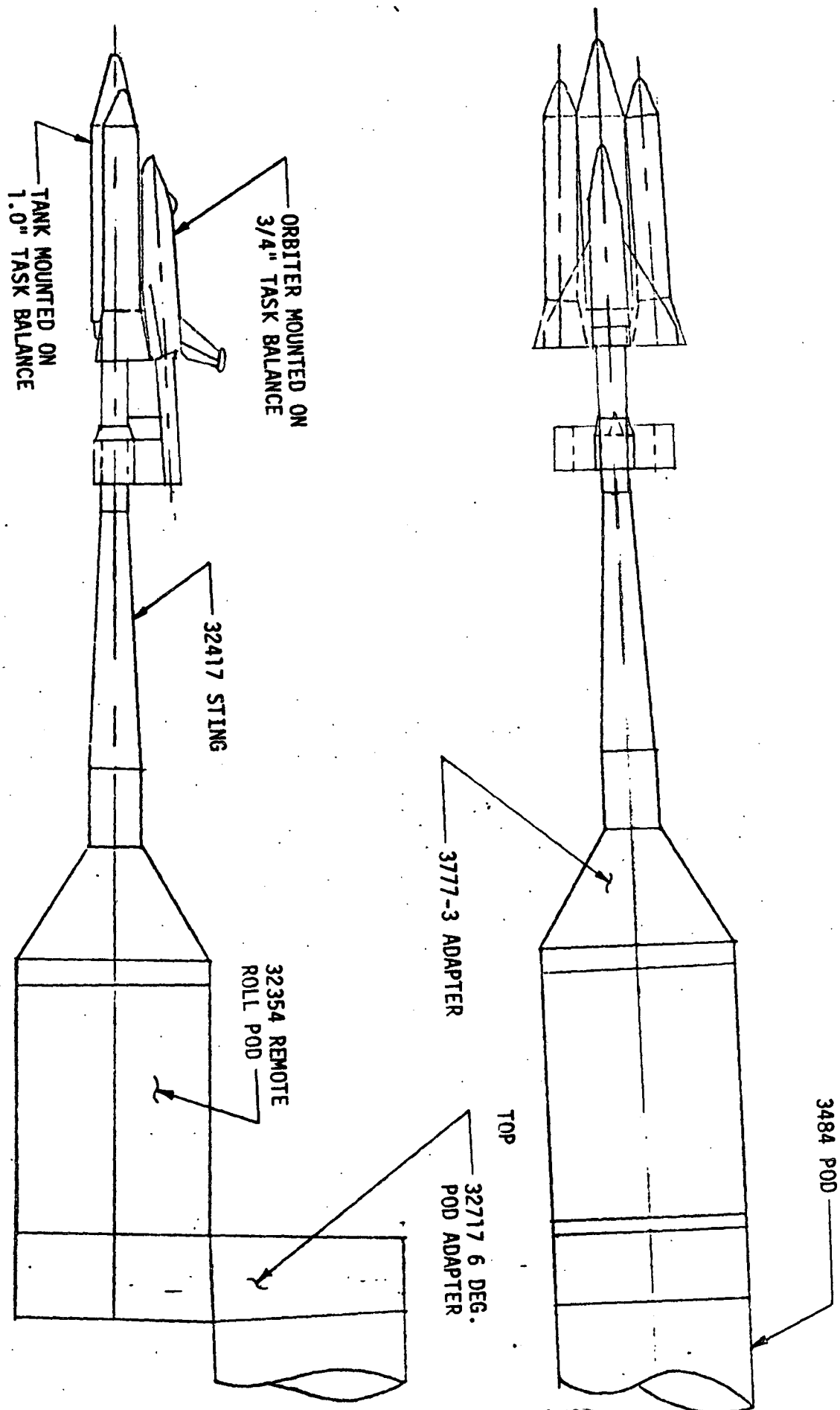


Figure 49. Tunnel Installation for the OBT Configuration-Pitch Series
(Booster Fixed to Centerline Tank)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Right Booster fixed to centerline tank, left Booster Independently supported.

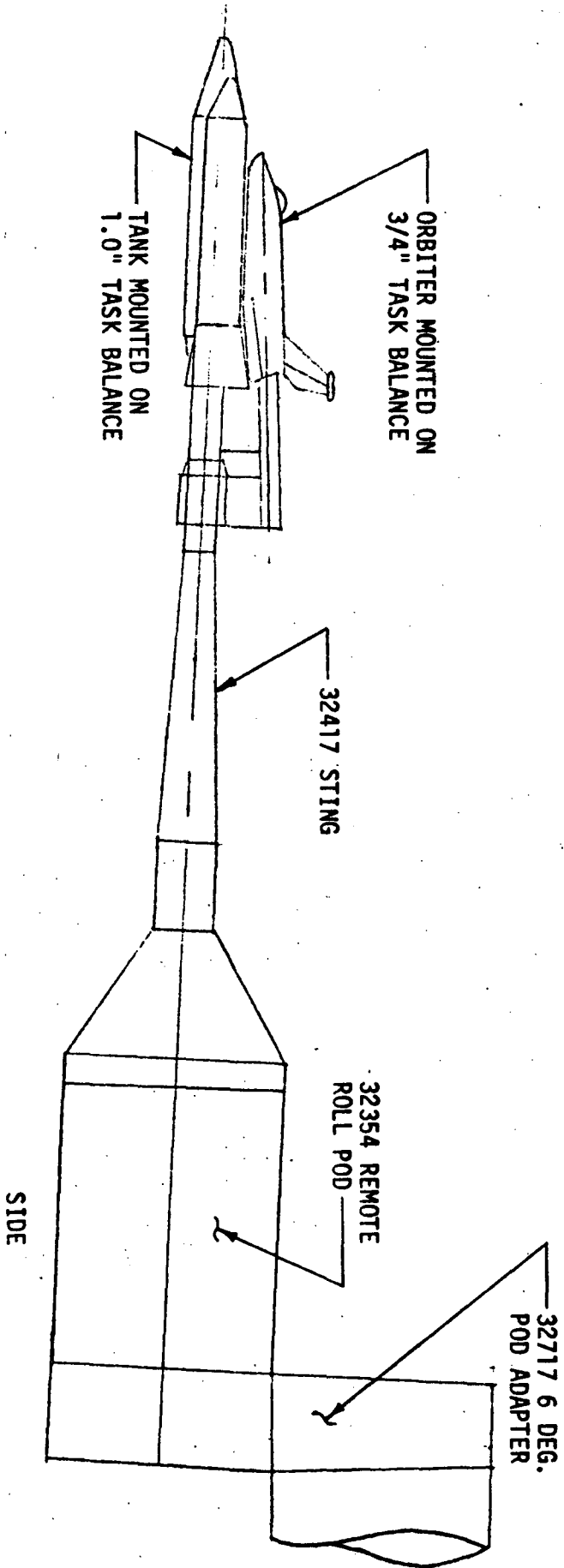
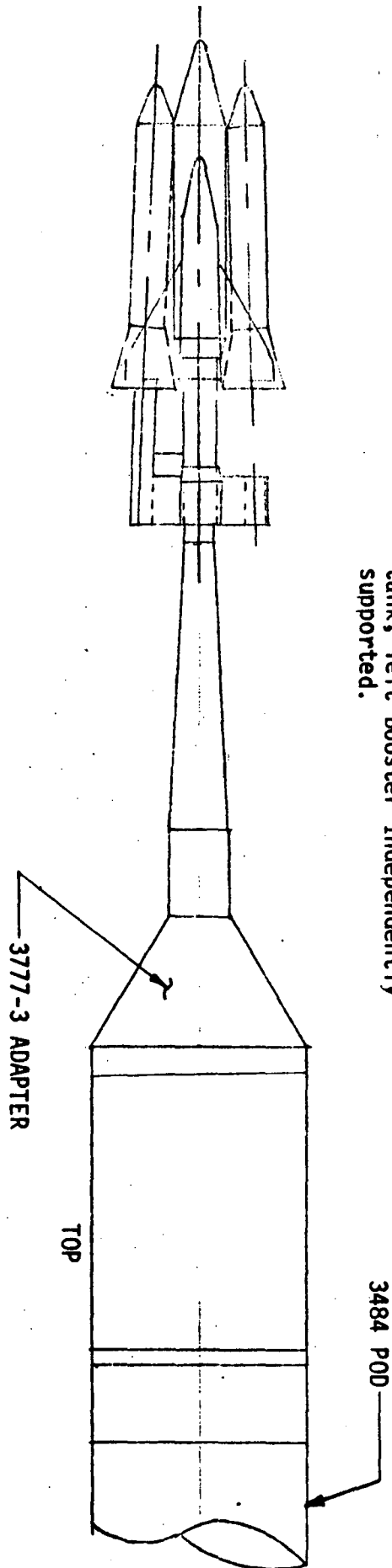
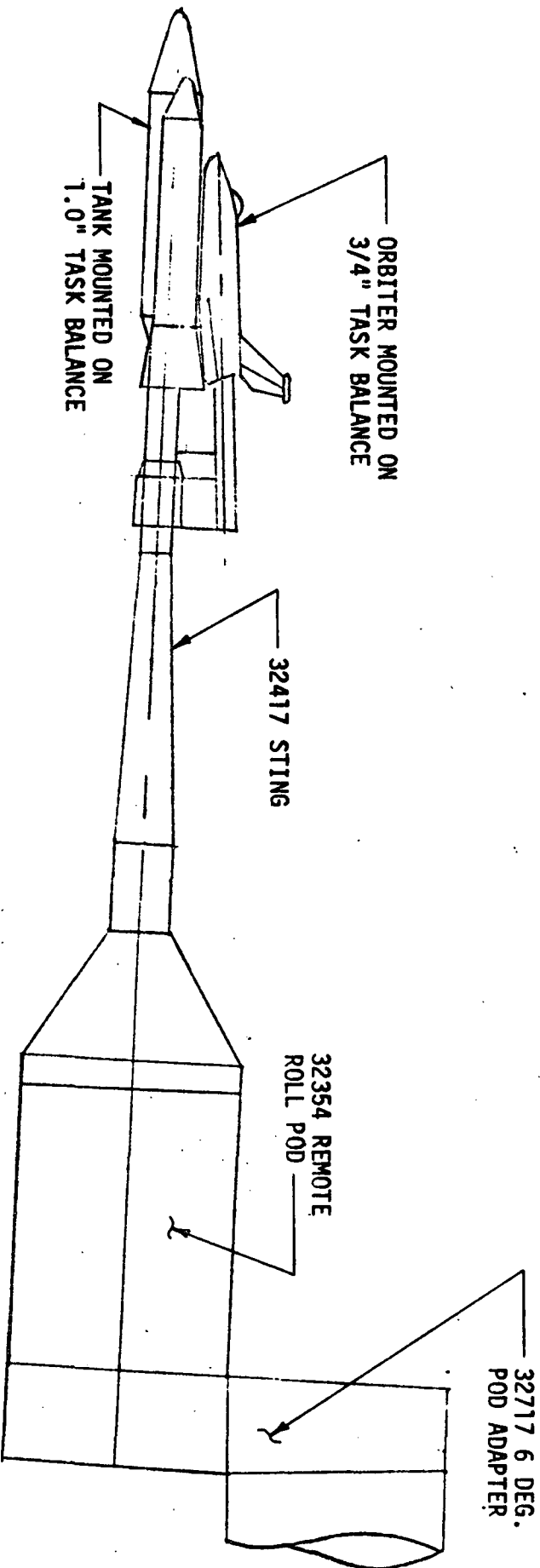
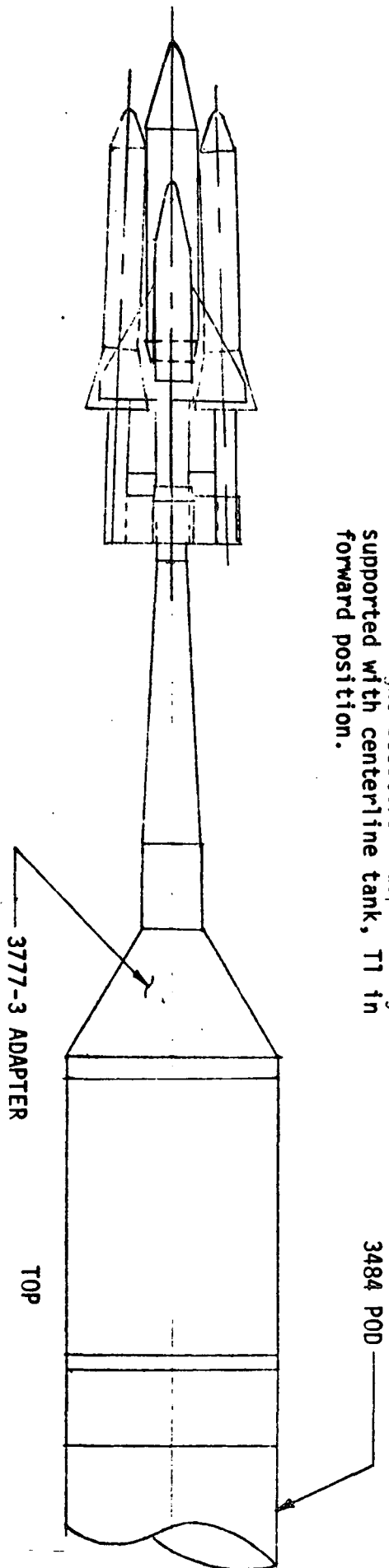


Figure 50. Tunnel Installation for the OBT Configuration-Pitch Series
(Right Booster Fixed to Centerline Tank, Left Booster Independently Supported)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Left and Right boosters independently supported with centerline tank, T1 in forward position.



SIDE

Figure 51. Tunnel Installation for the OBT Configuration-Pitch Series
(Left and Right Booster Independently Supported)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

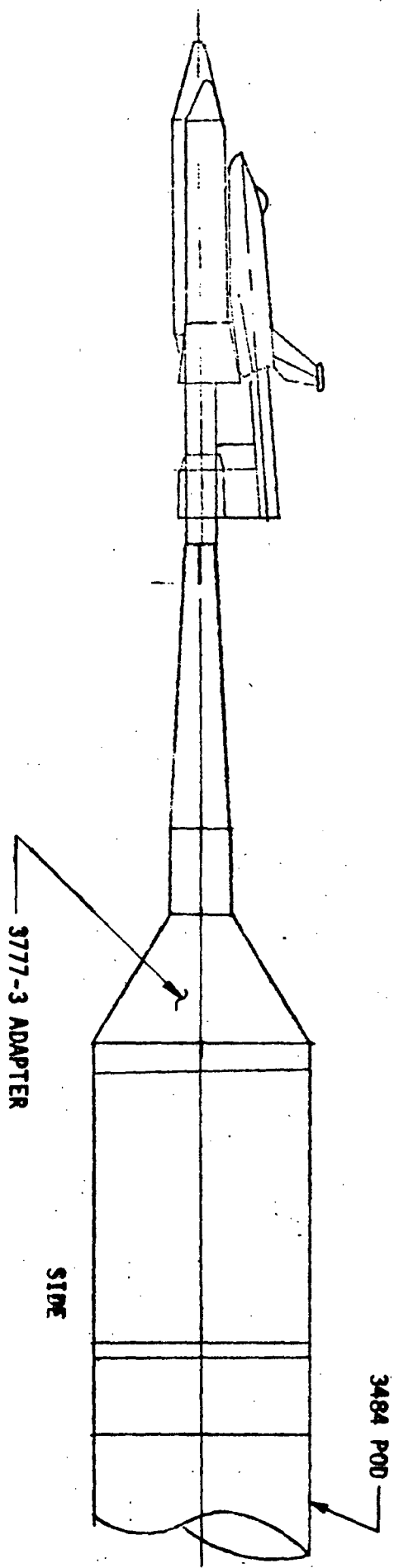
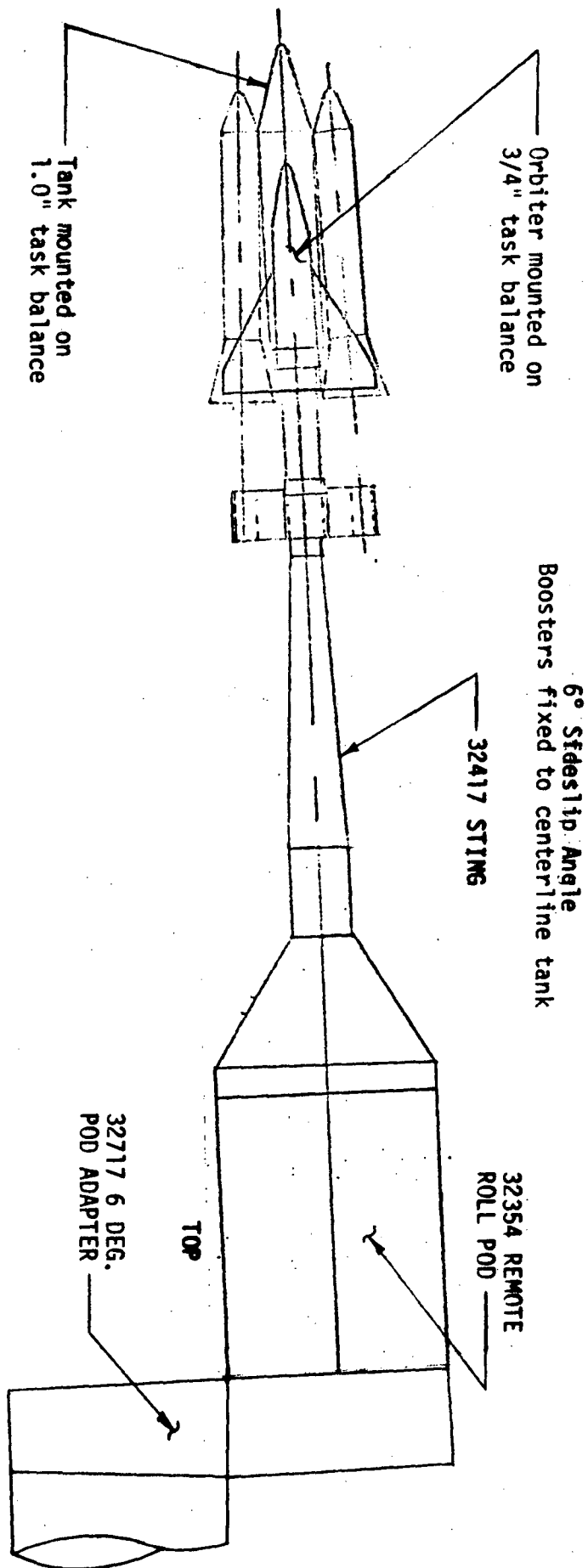


Figure 52. Tunnel Installation for the OBT Configuration With 6° Sideslip Angle-Pitch Series (Boosters Fixed to Centerline Tank)

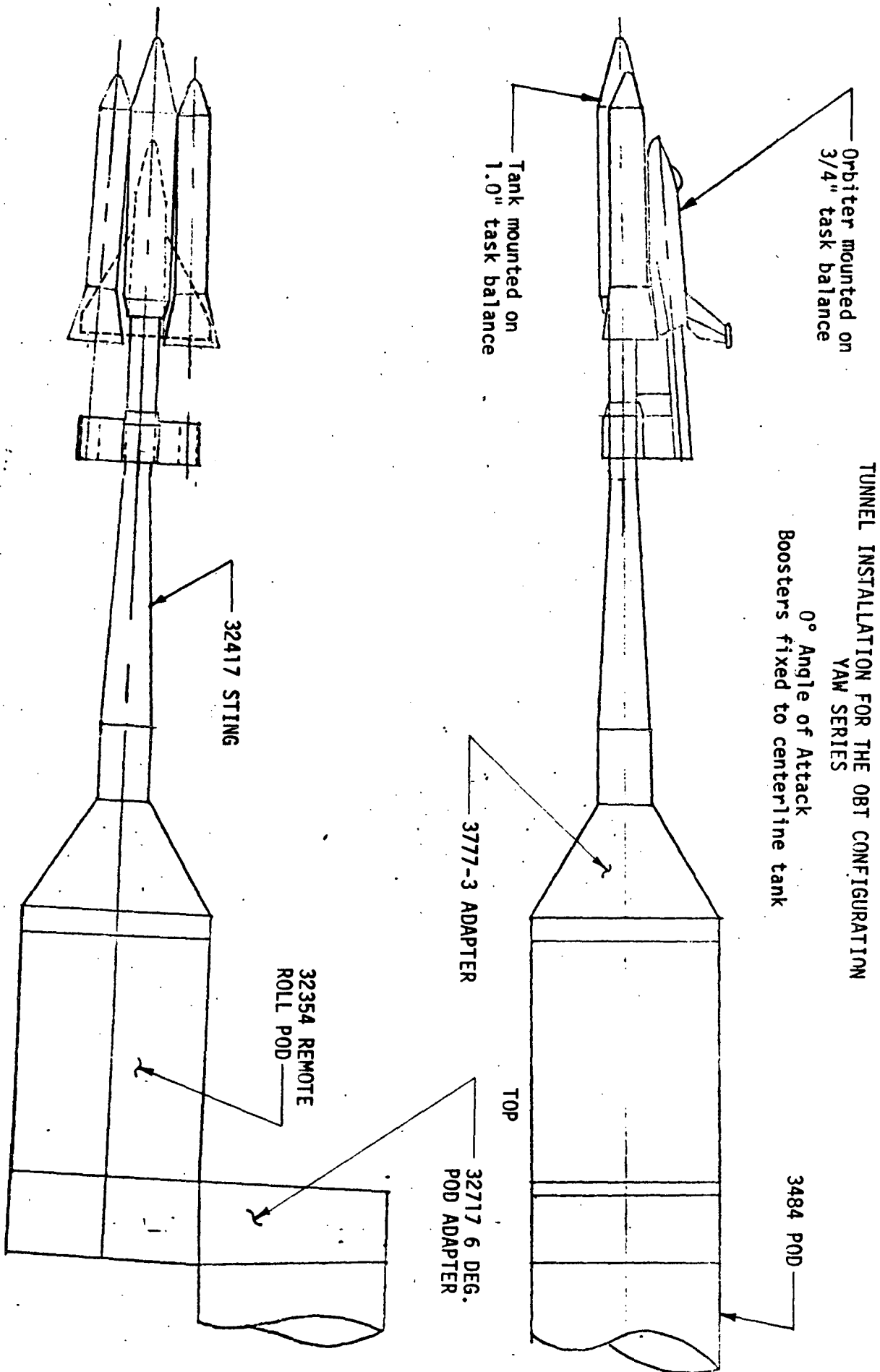


Figure 53. Tunnel Installation for the OBT Configuration With 0° Angle of Attack-
Yaw Series (Boosters Fixed to Centerline Tank)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION YAW SERIES

6° Angle of Attack
Boosters fixed to centerline tank

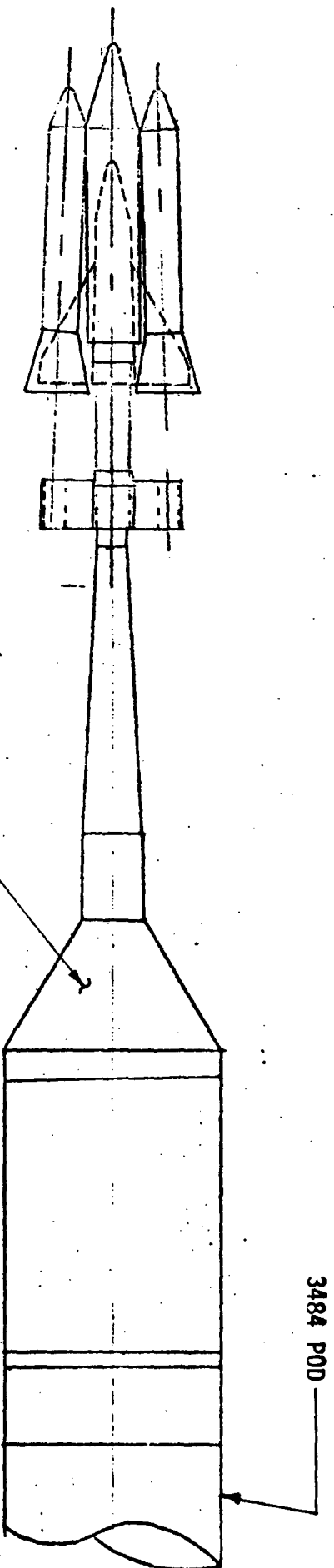
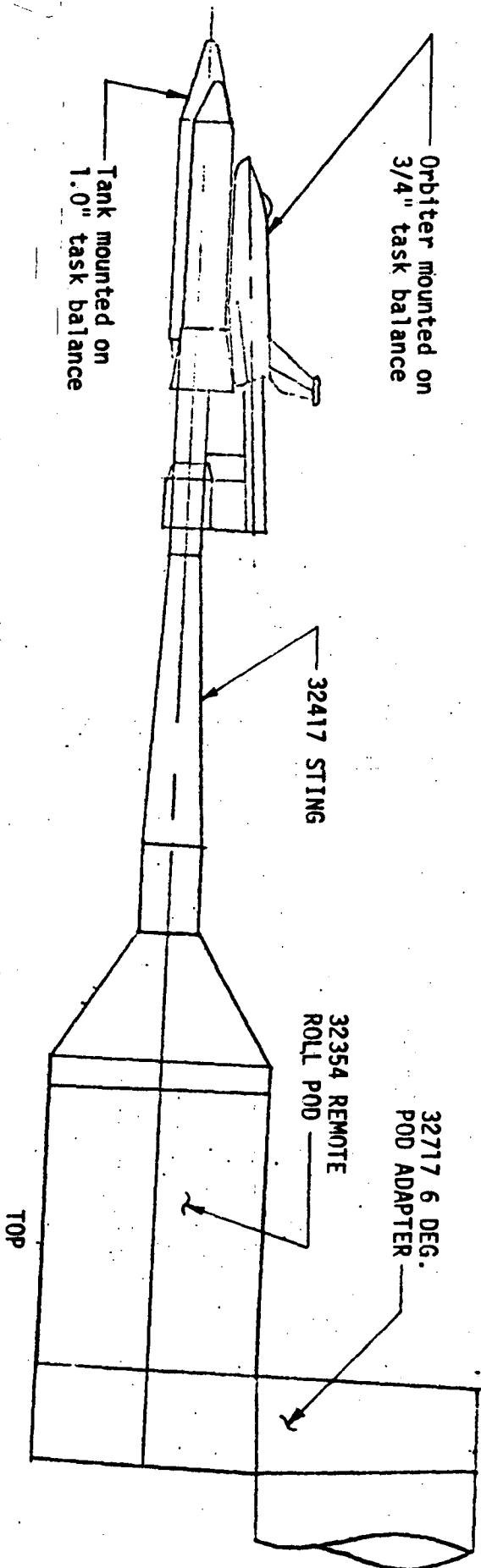


Figure 54. Tunnel Installation for the OBT Configuration With 6° Angle of Attack-Yaw Series (Boosters Fixed to the Centerline Tank)

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION
PITCH SERIES
Orbiter alone

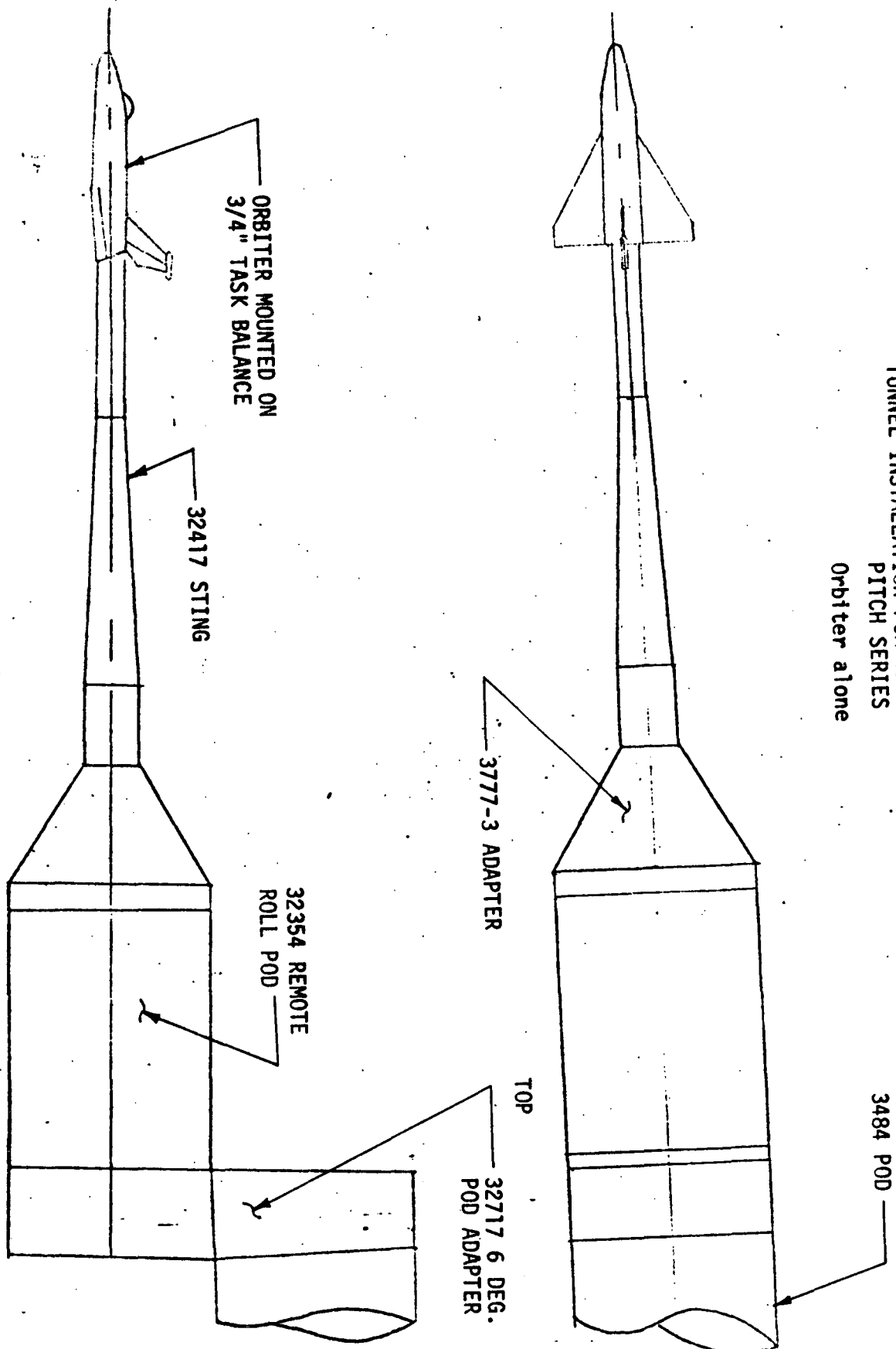
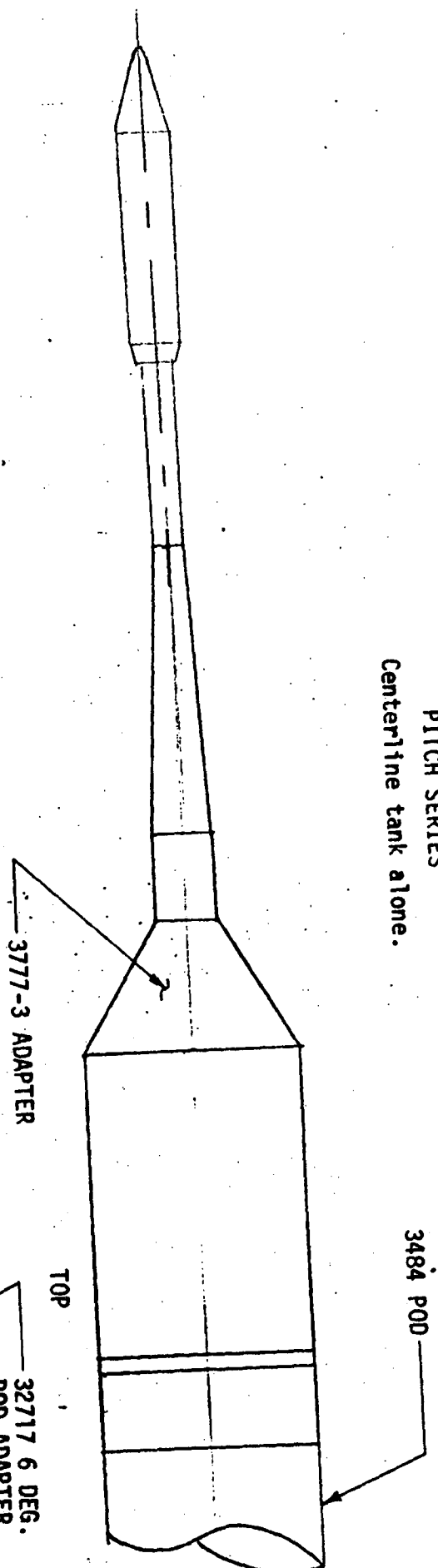


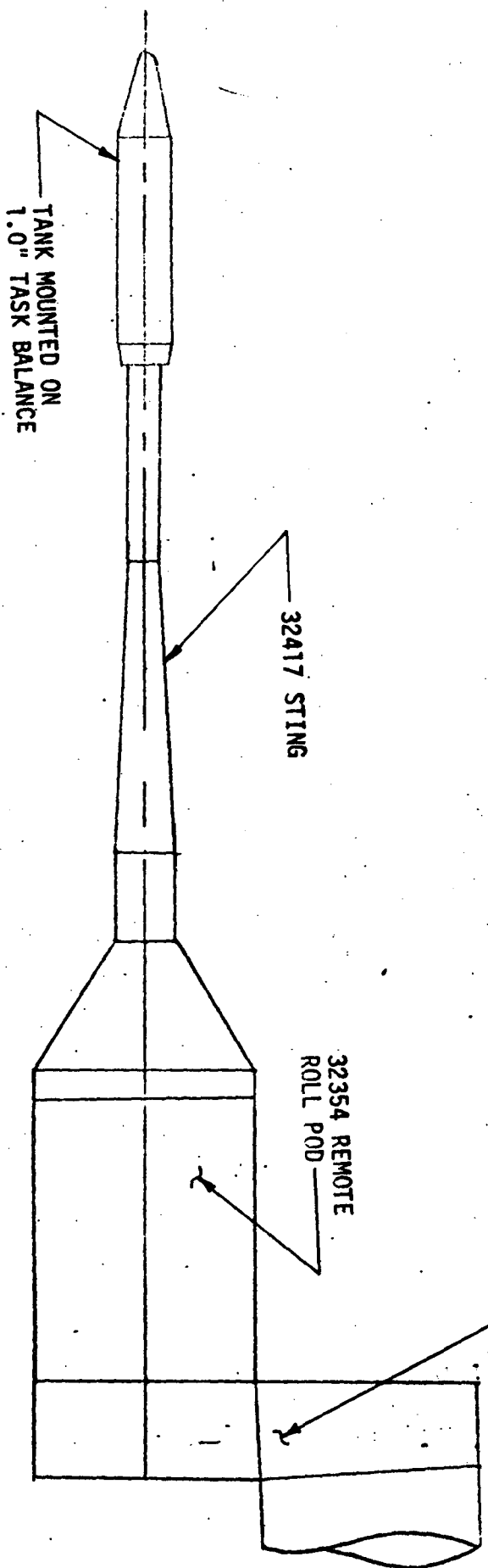
Figure 55. Tunnel Installation for the Orbiter Alone Configuration

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION PITCH SERIES

Centerline tank alone.



143



SIDE

Figure 56. Tunnel Installation for the Tank Alone Configuration

TUNNEL INSTALLATION FOR THE OBT CONFIGURATION
PITCH SERIES
Booster alone

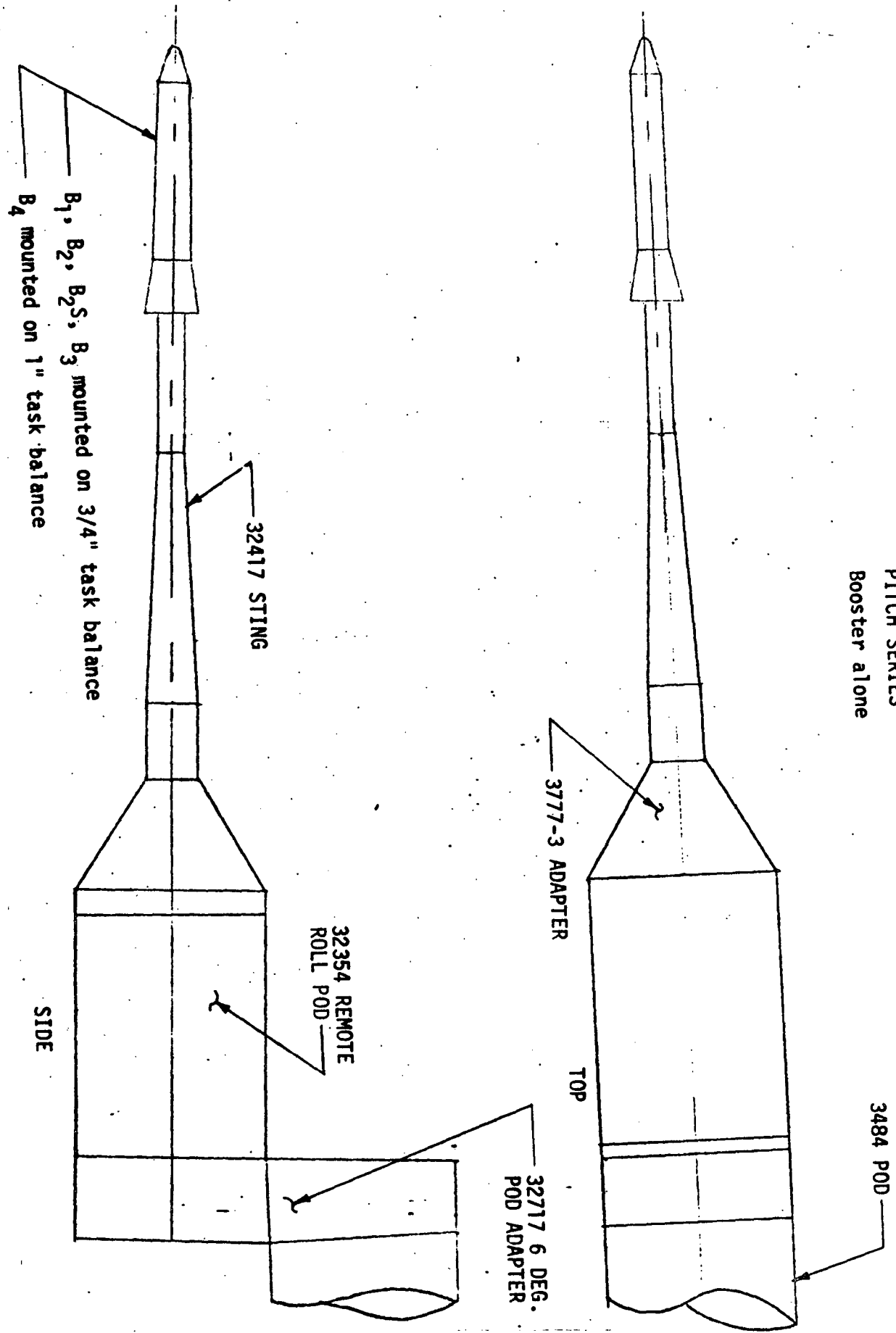
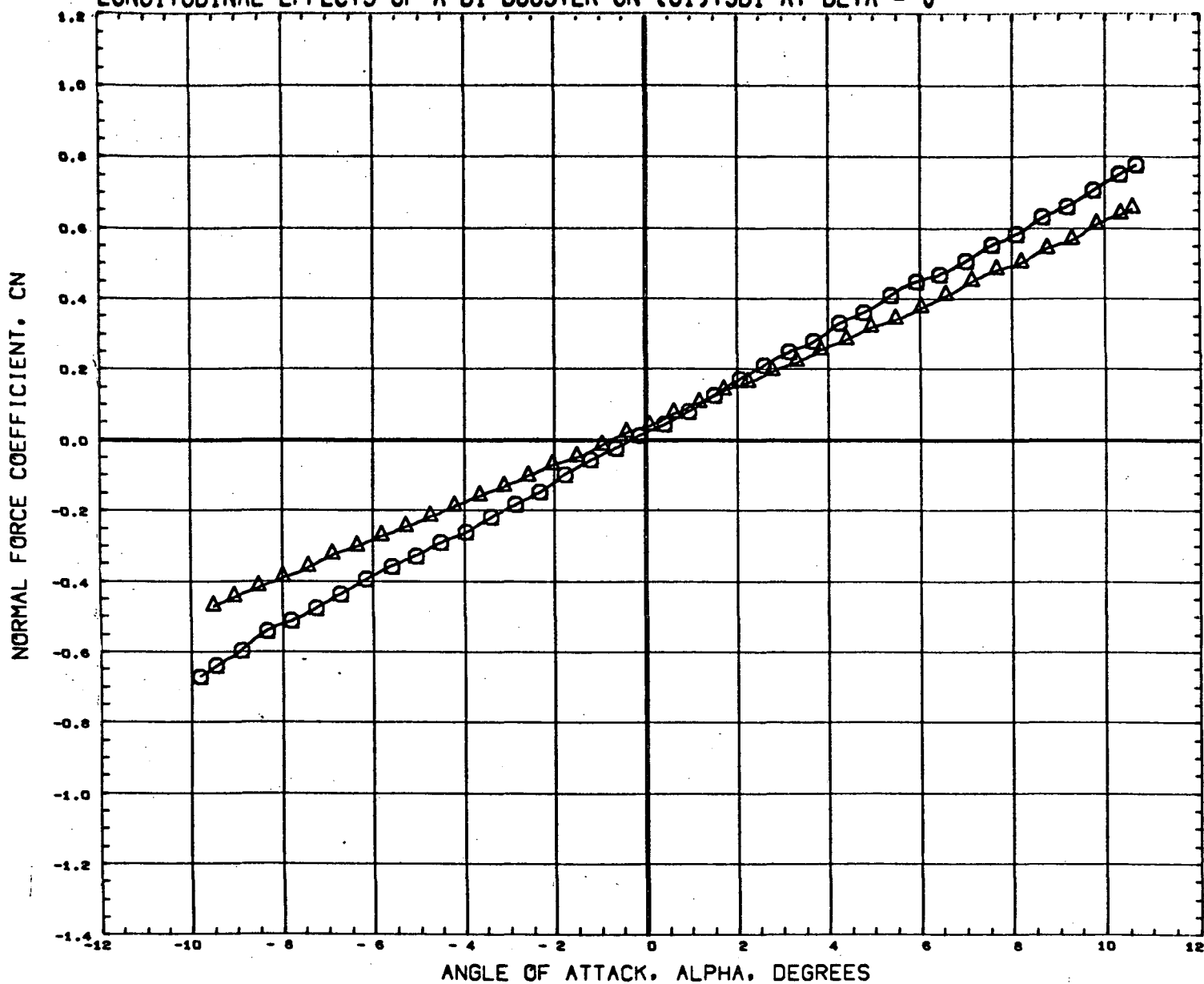


Figure 57. Tunnel Installation for the Booster Alone Configuration

DATA FIGURES

Tabulations of the plotted data and corresponding source data are available from SADSAC Operations.

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

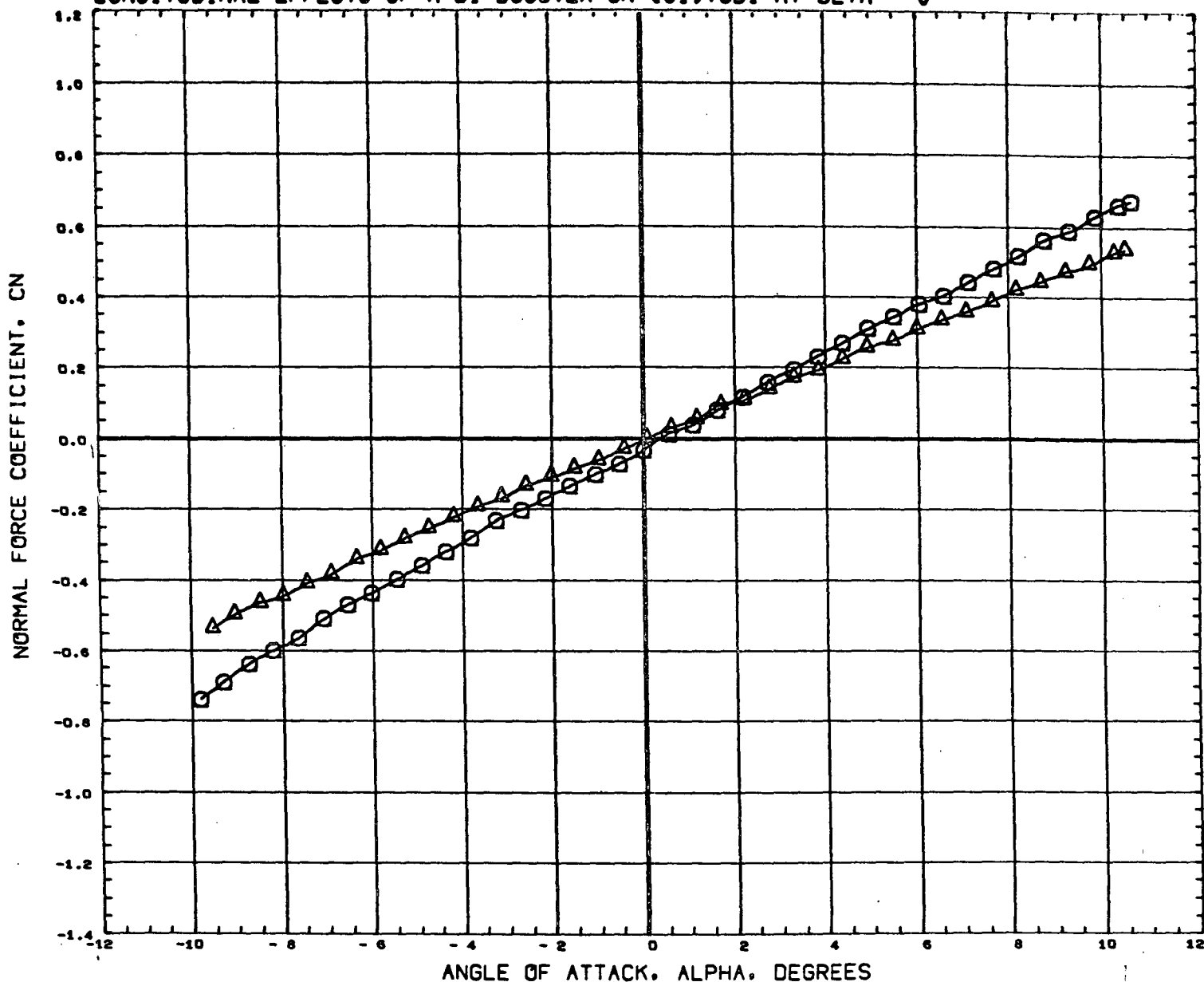


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 1

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

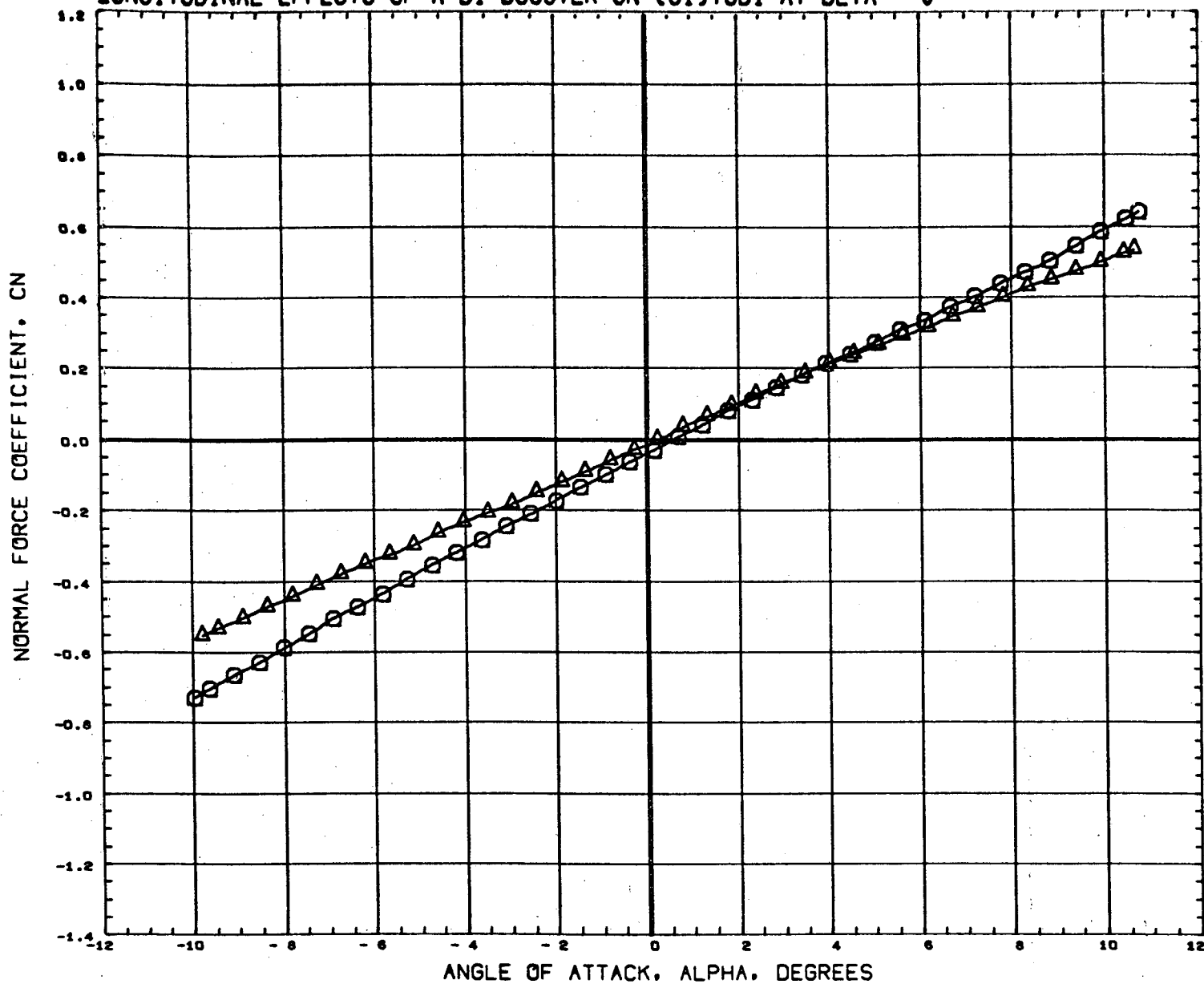


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 2

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



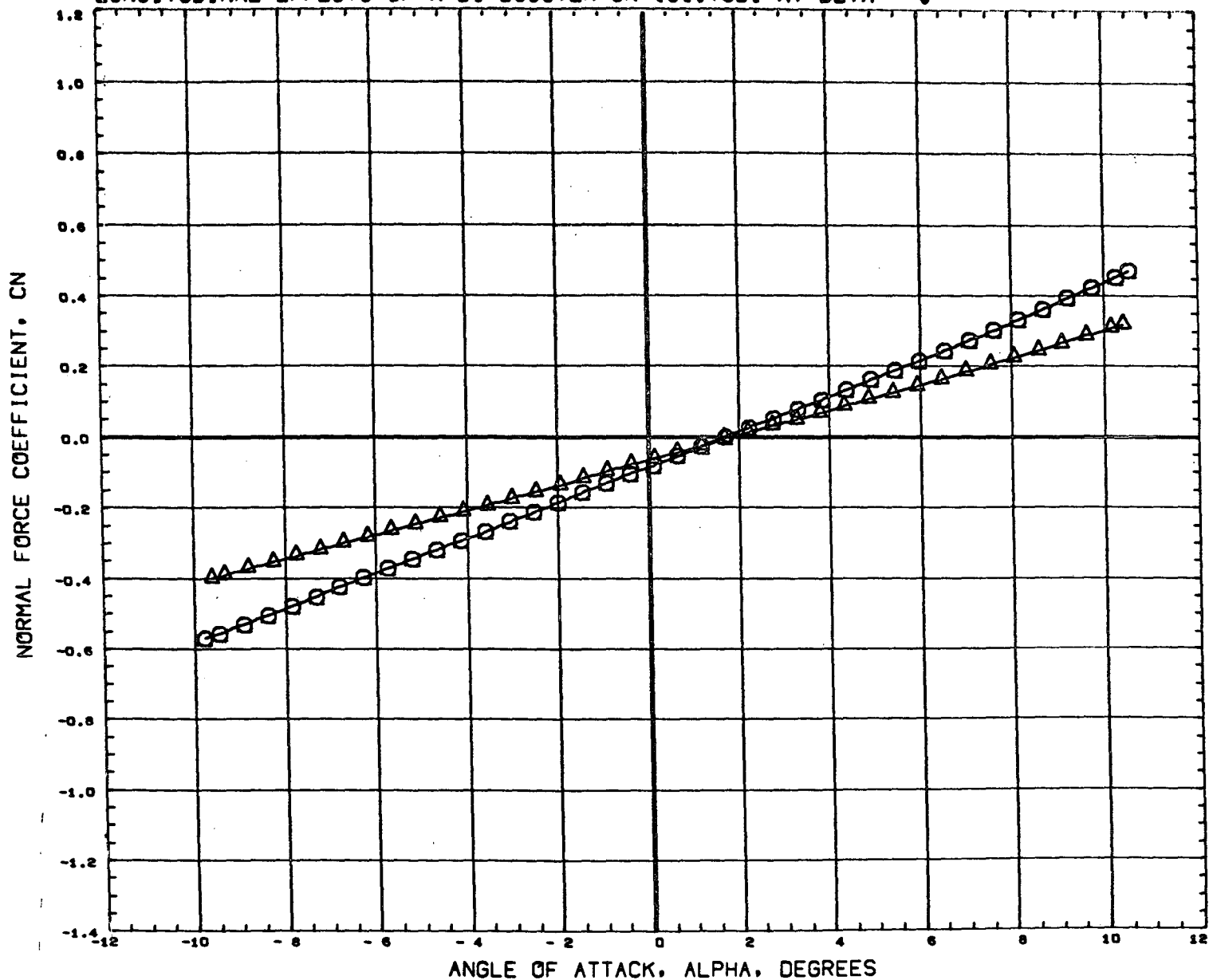
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(007477) △	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 3

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



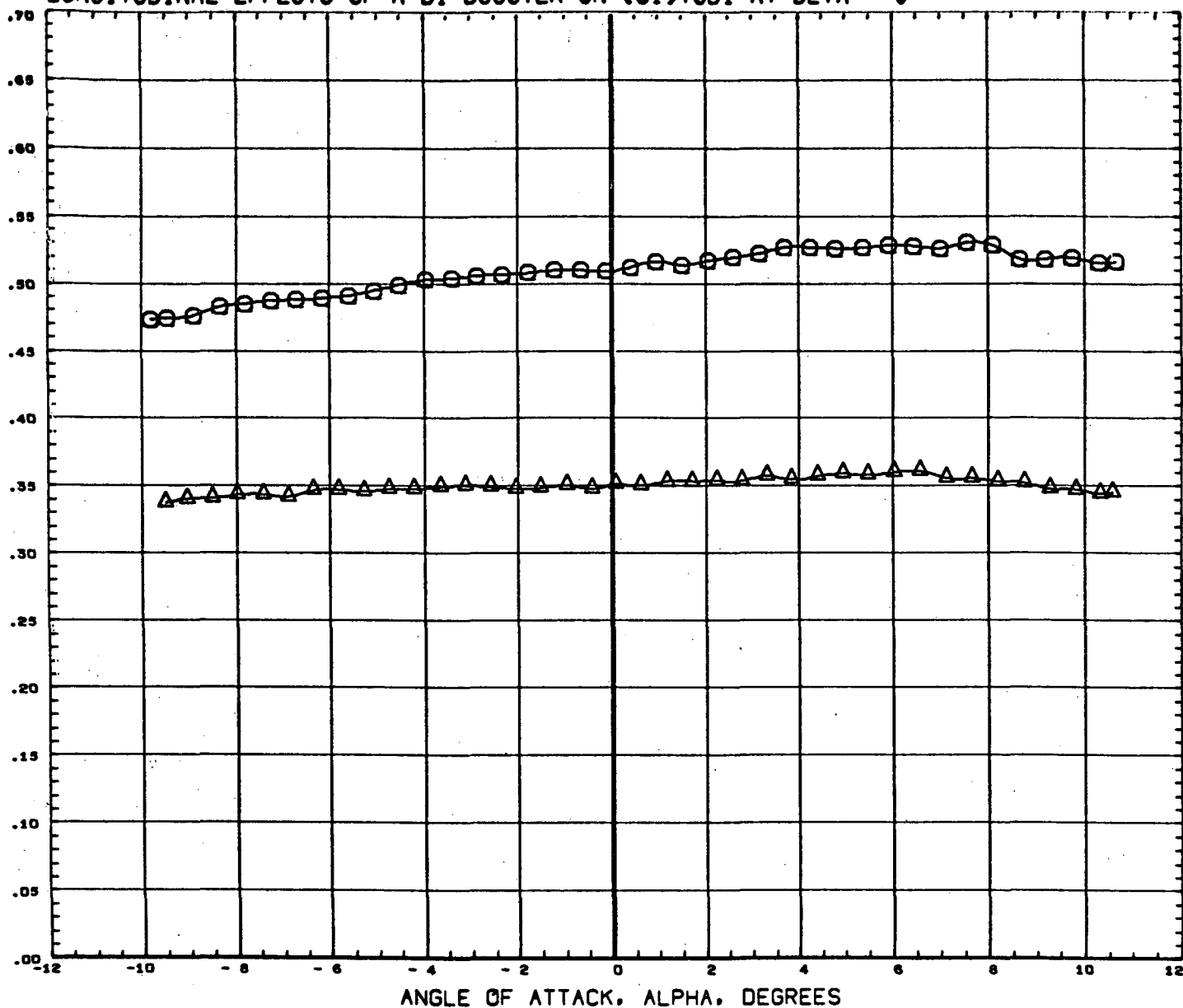
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 4

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA

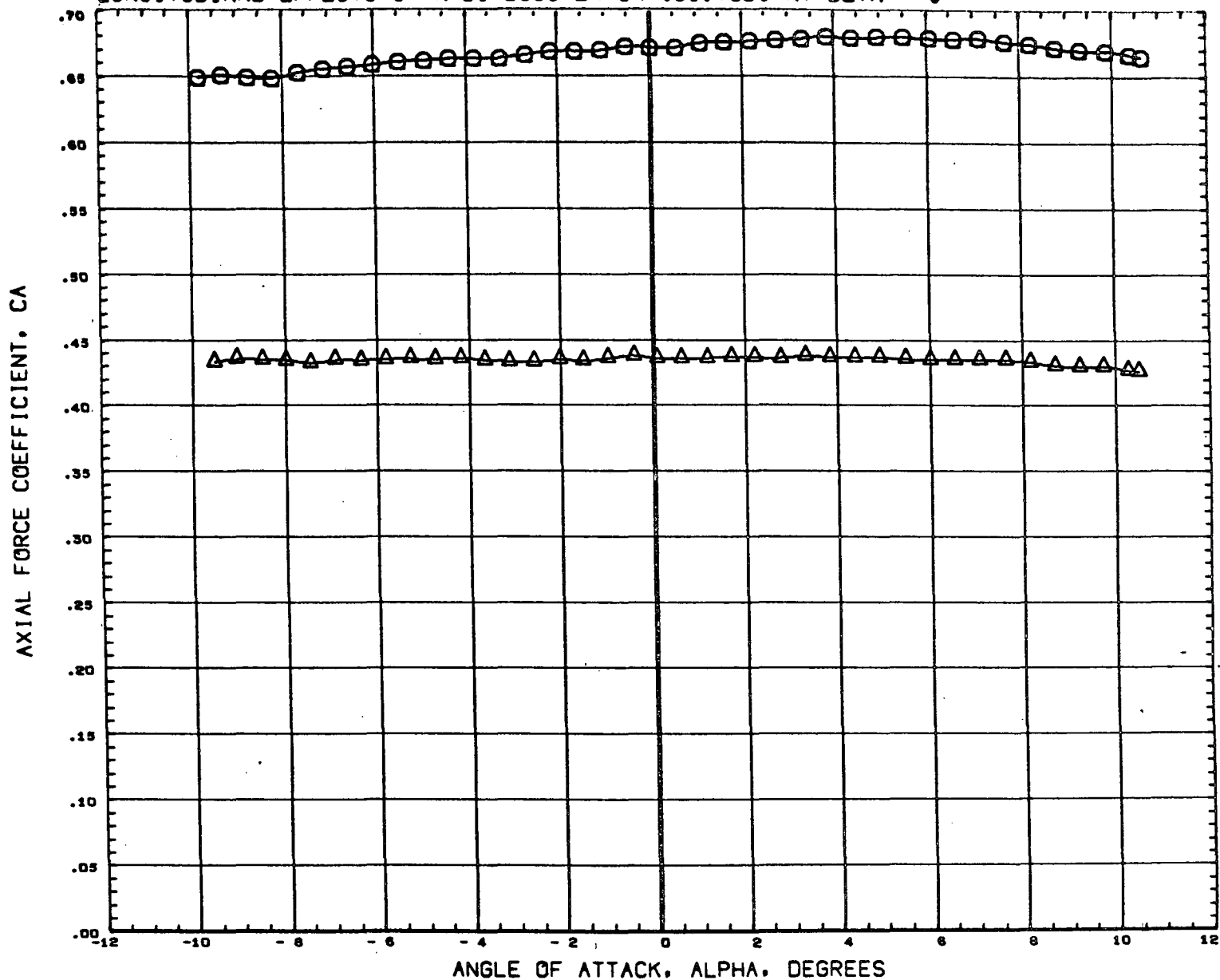


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 5

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7474) (01)T3B1
 (CD7477) (01)T3B1L (B1R)

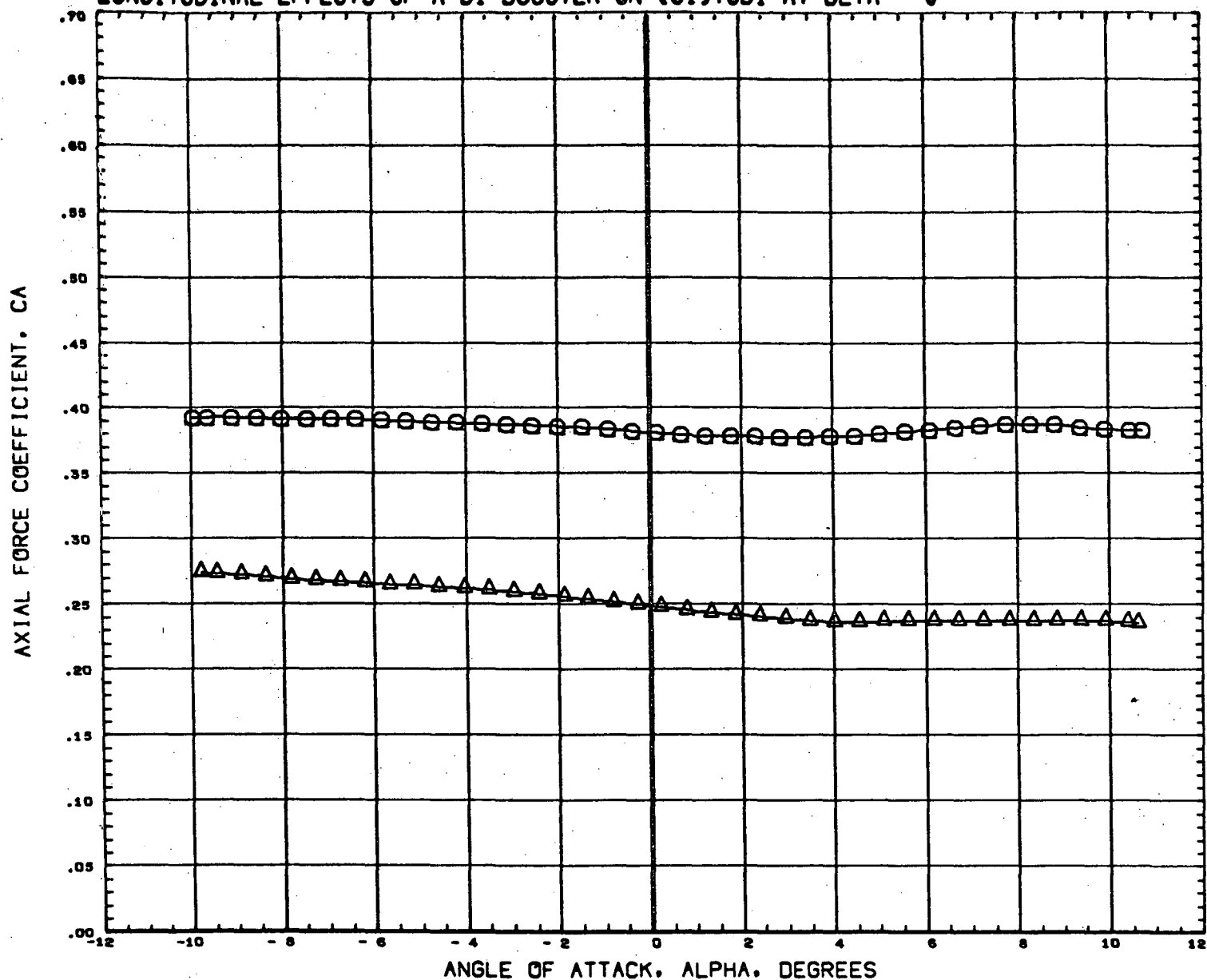
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.09

PAGE 6

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

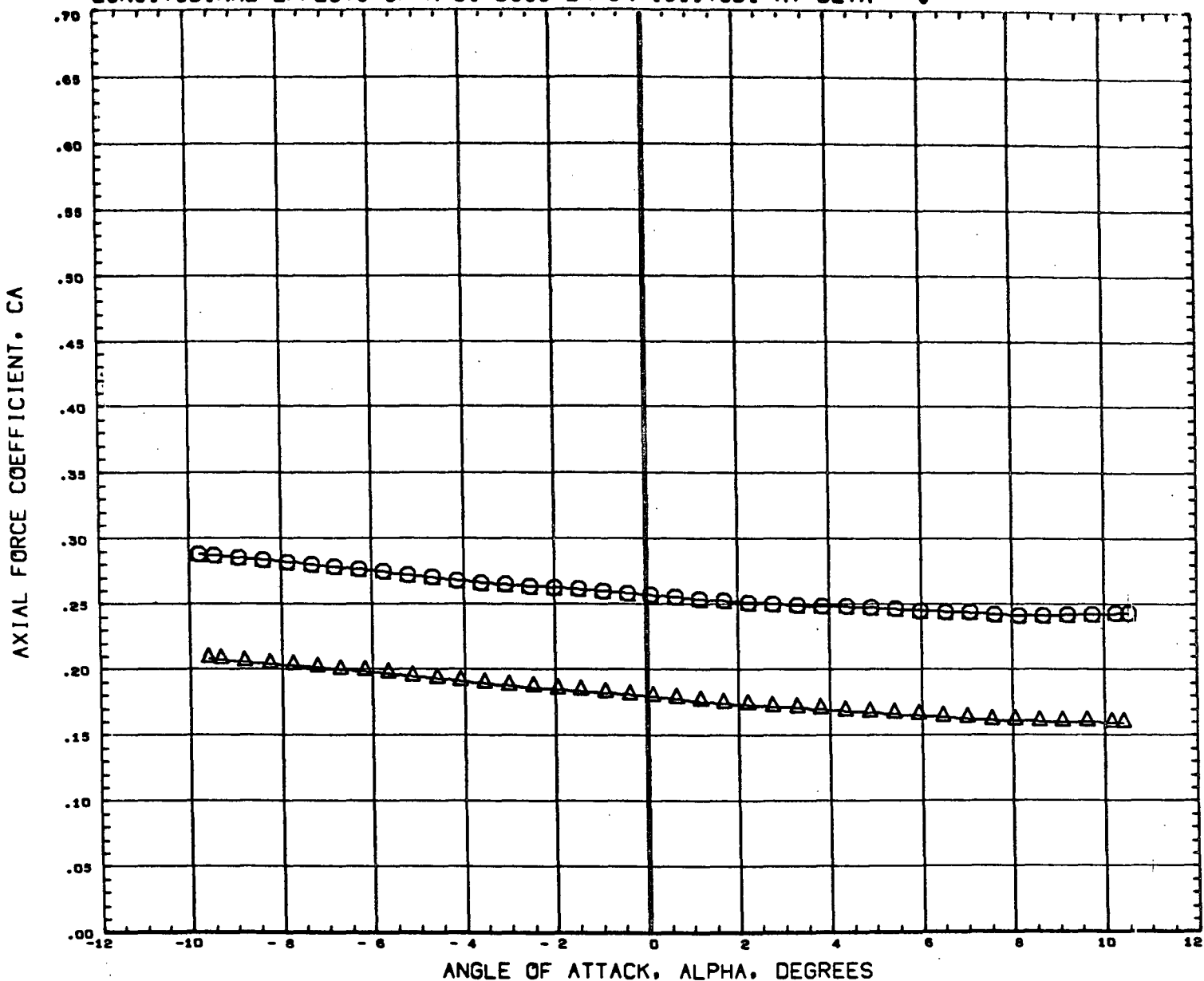
MACH

2.20

PAGE

7

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



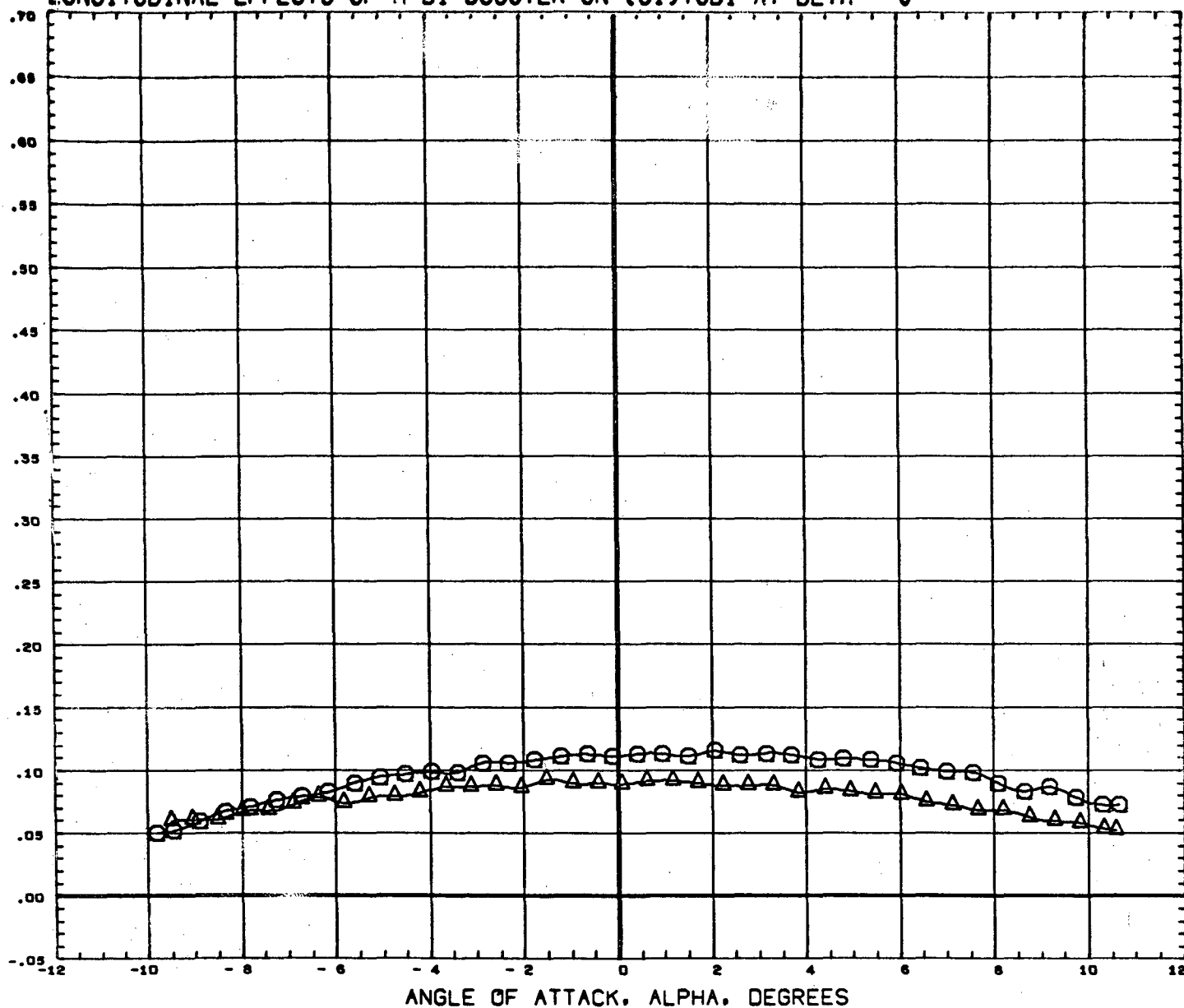
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 4.47

PAGE 8

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF

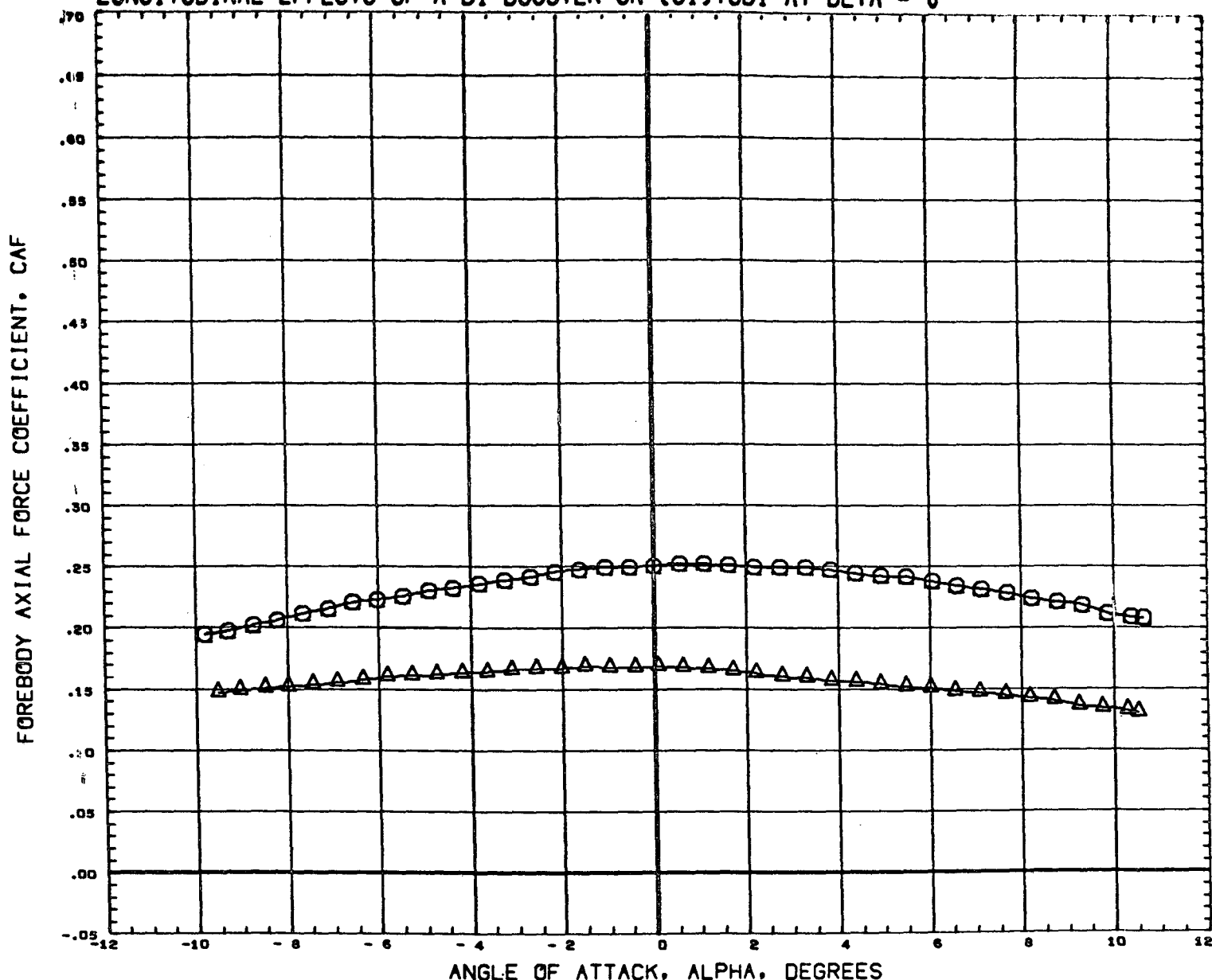


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 9

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

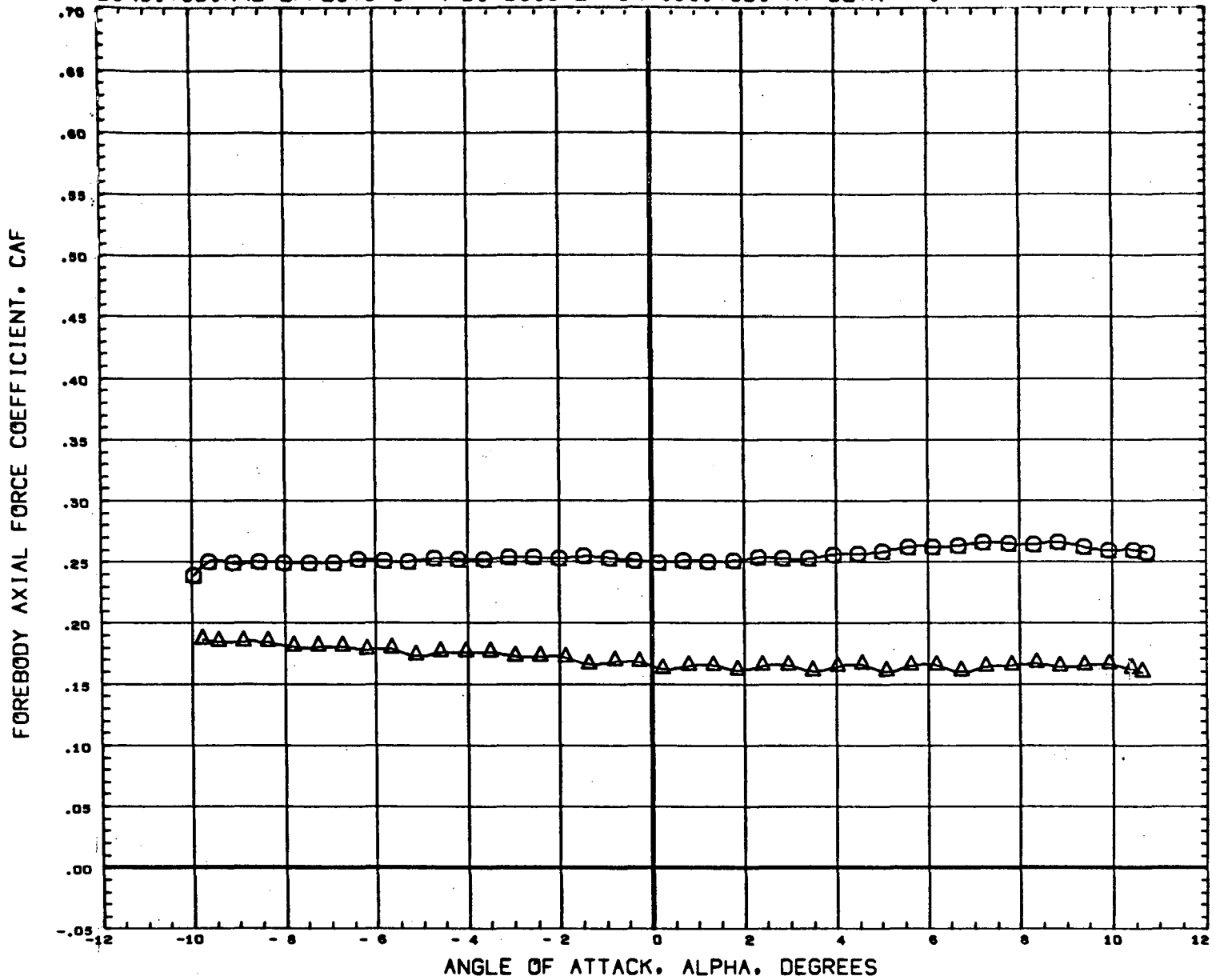


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 10

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



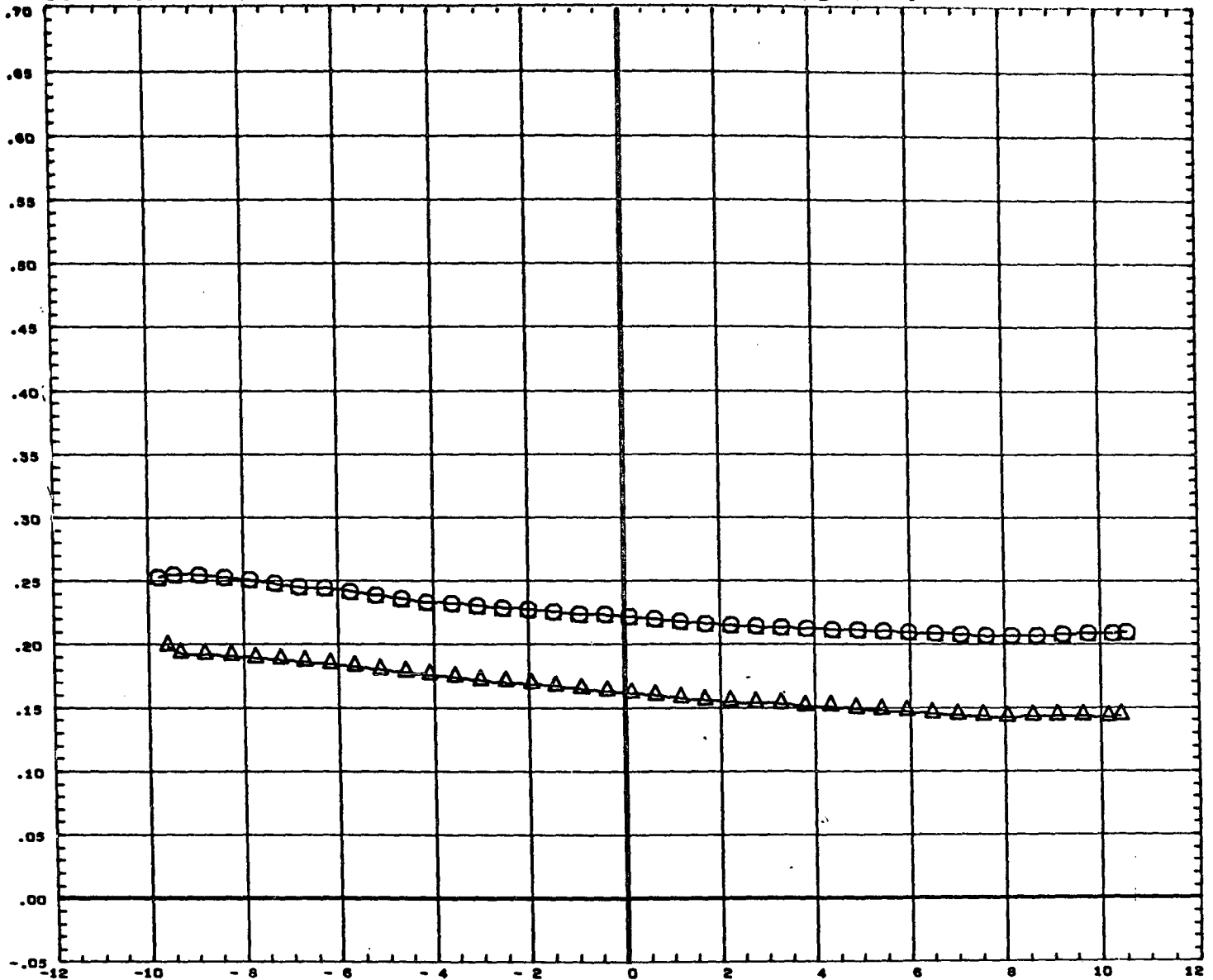
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



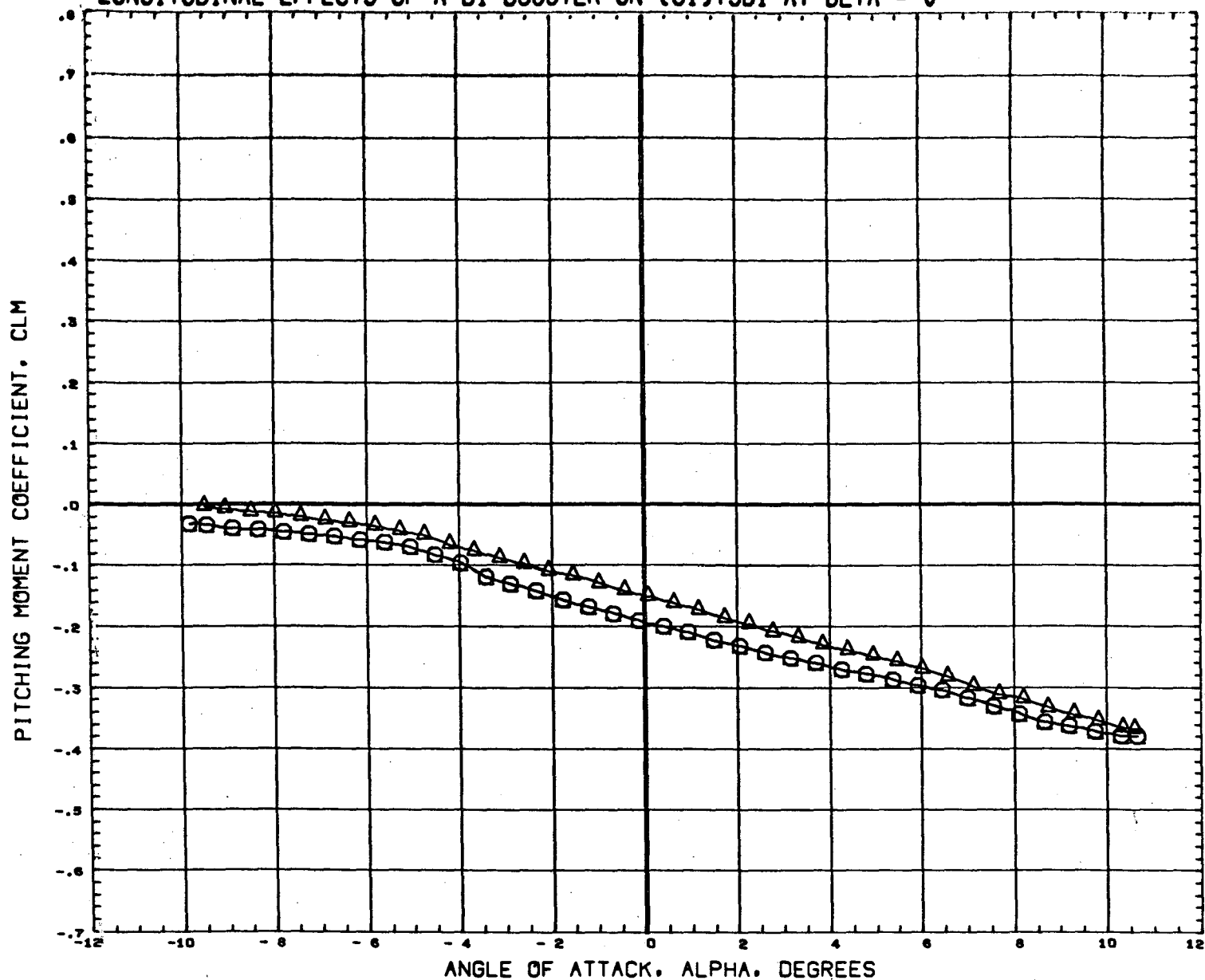
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(007474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(007477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



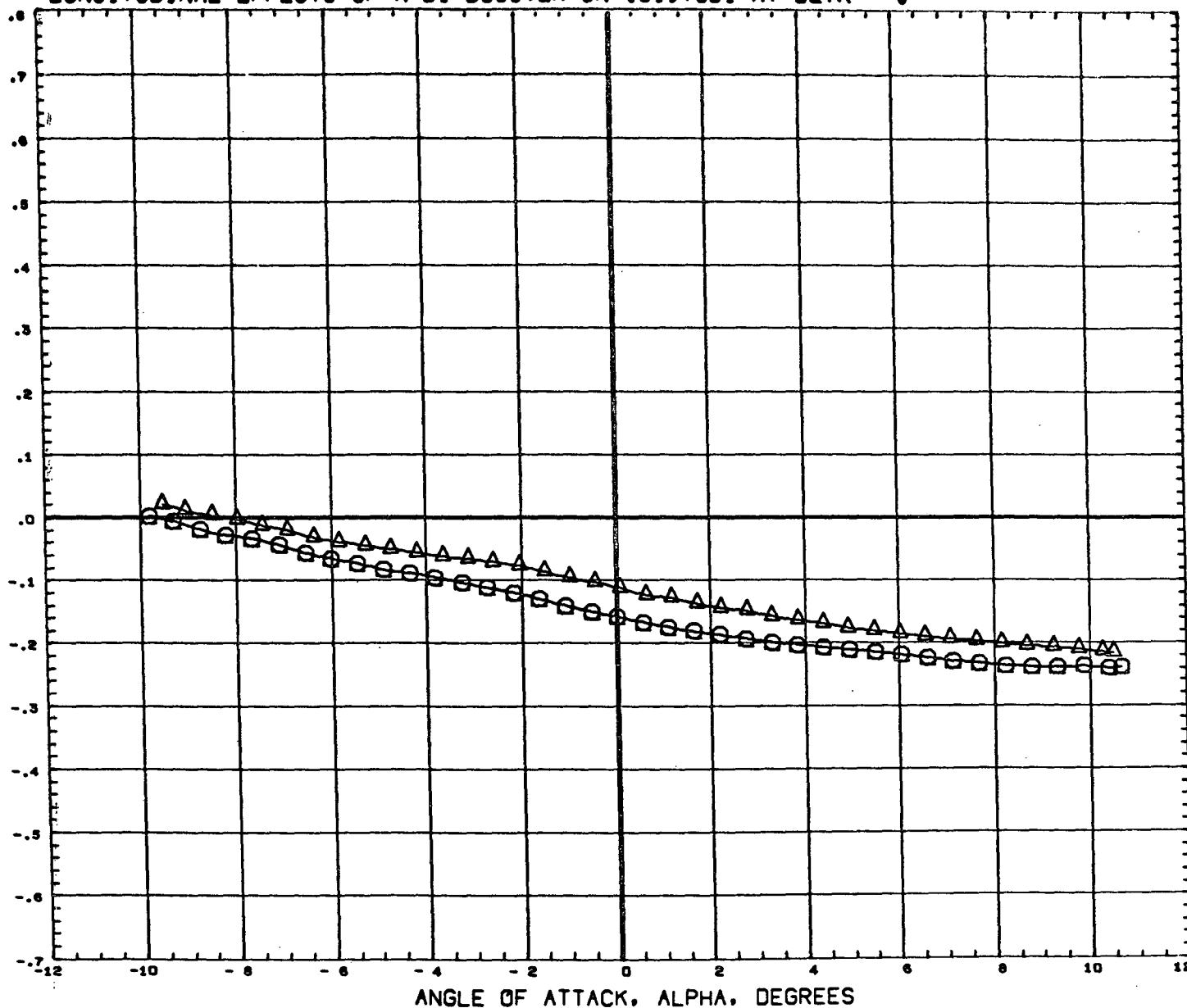
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(007474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(007477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

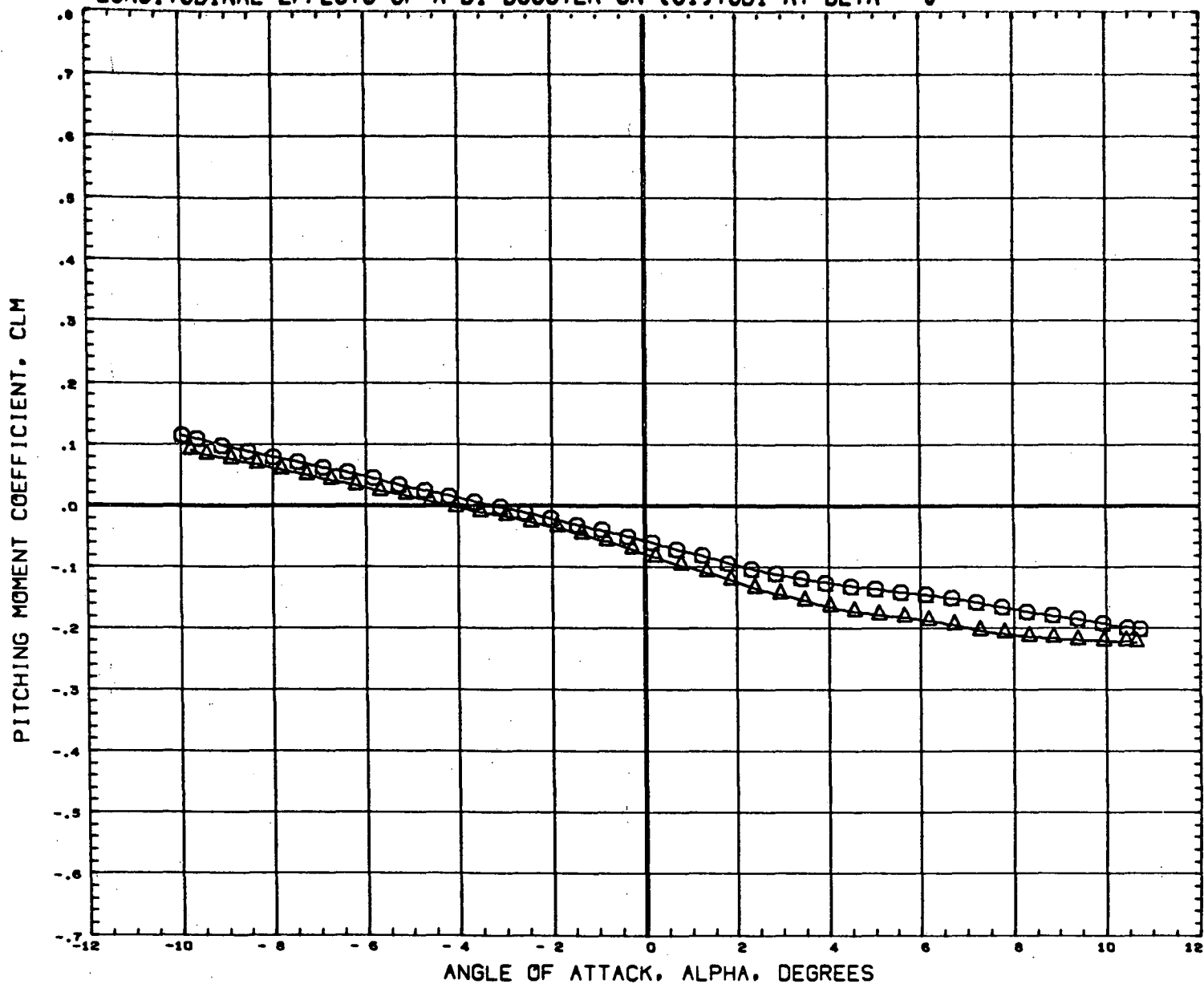
MACH

1.09

PAGE

14

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

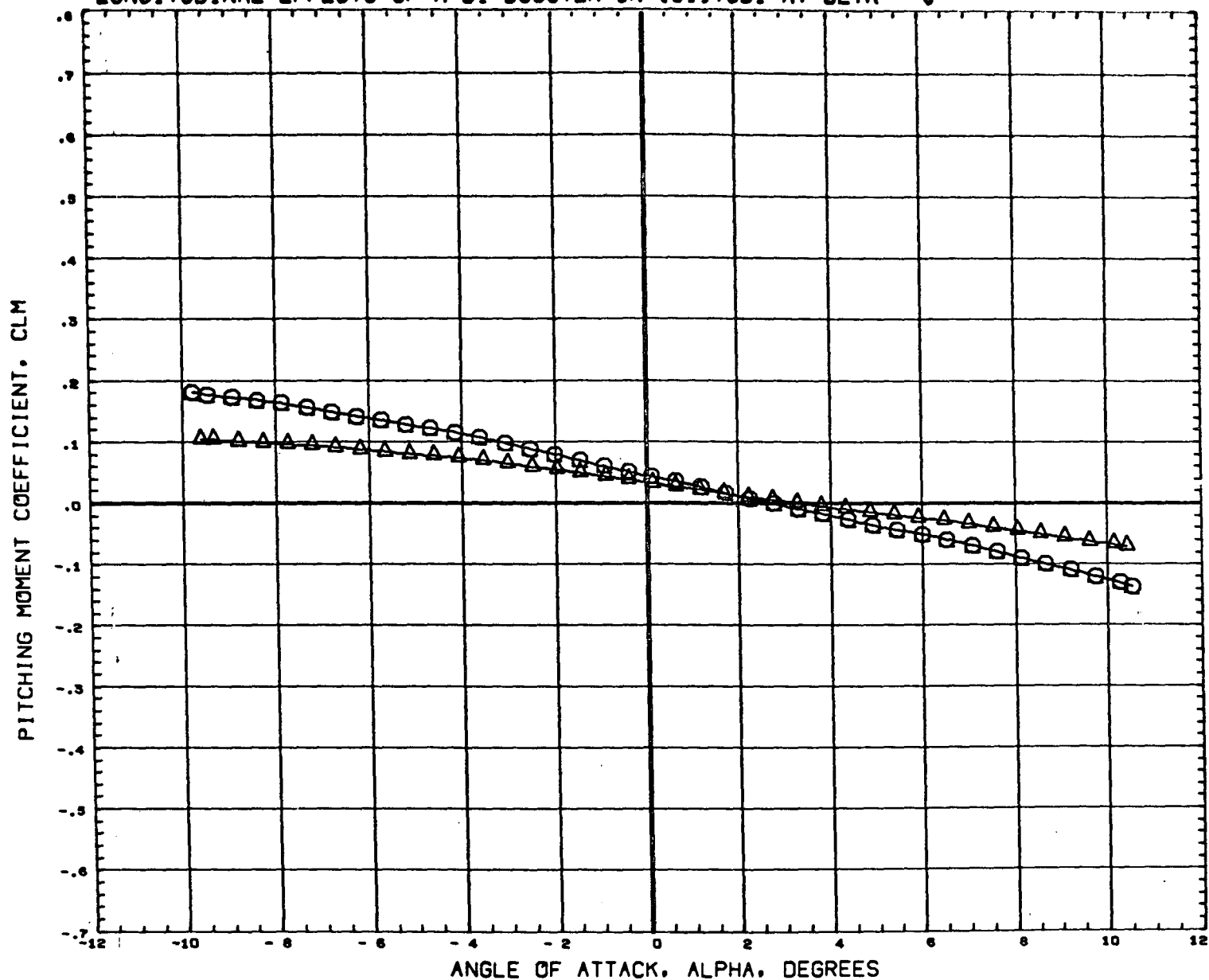


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

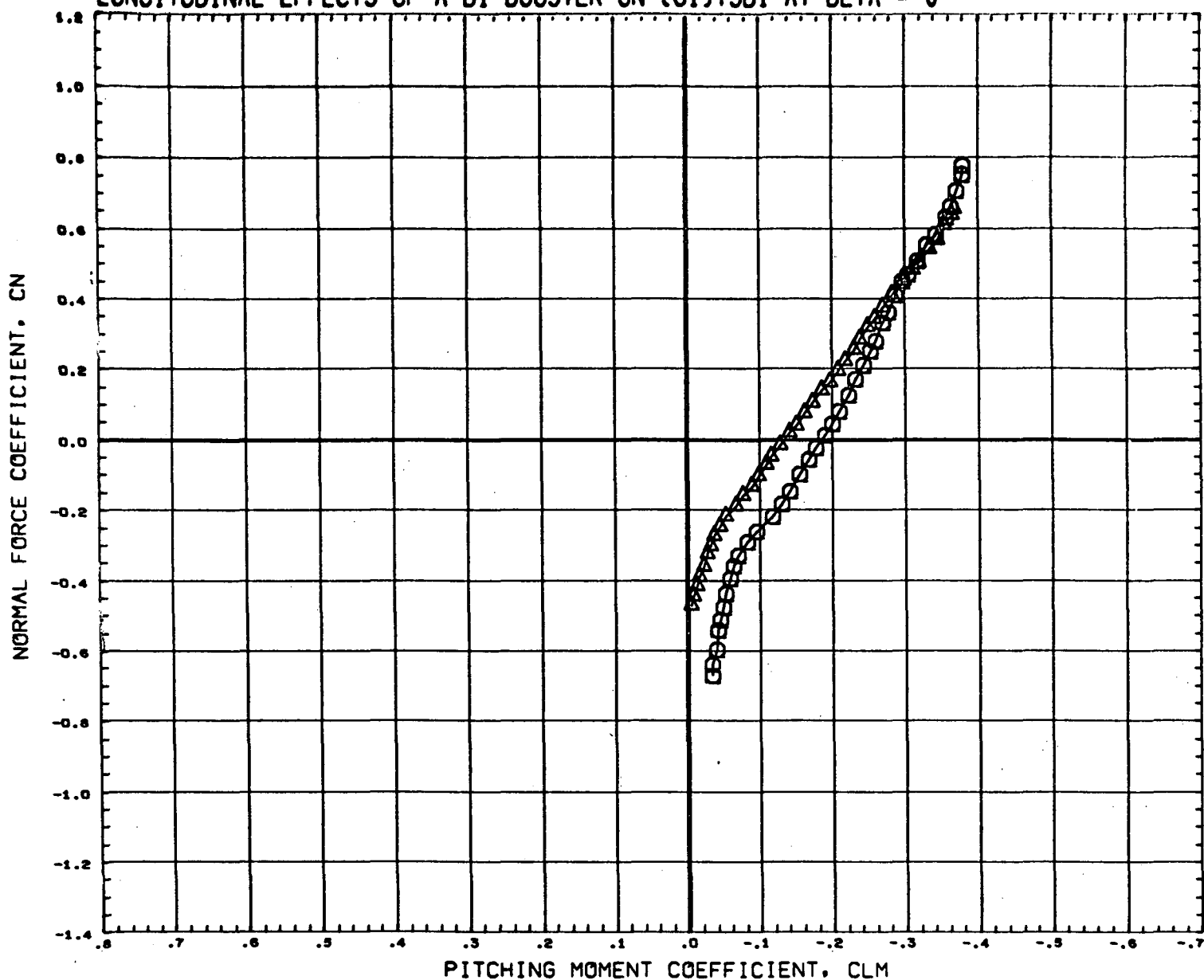


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

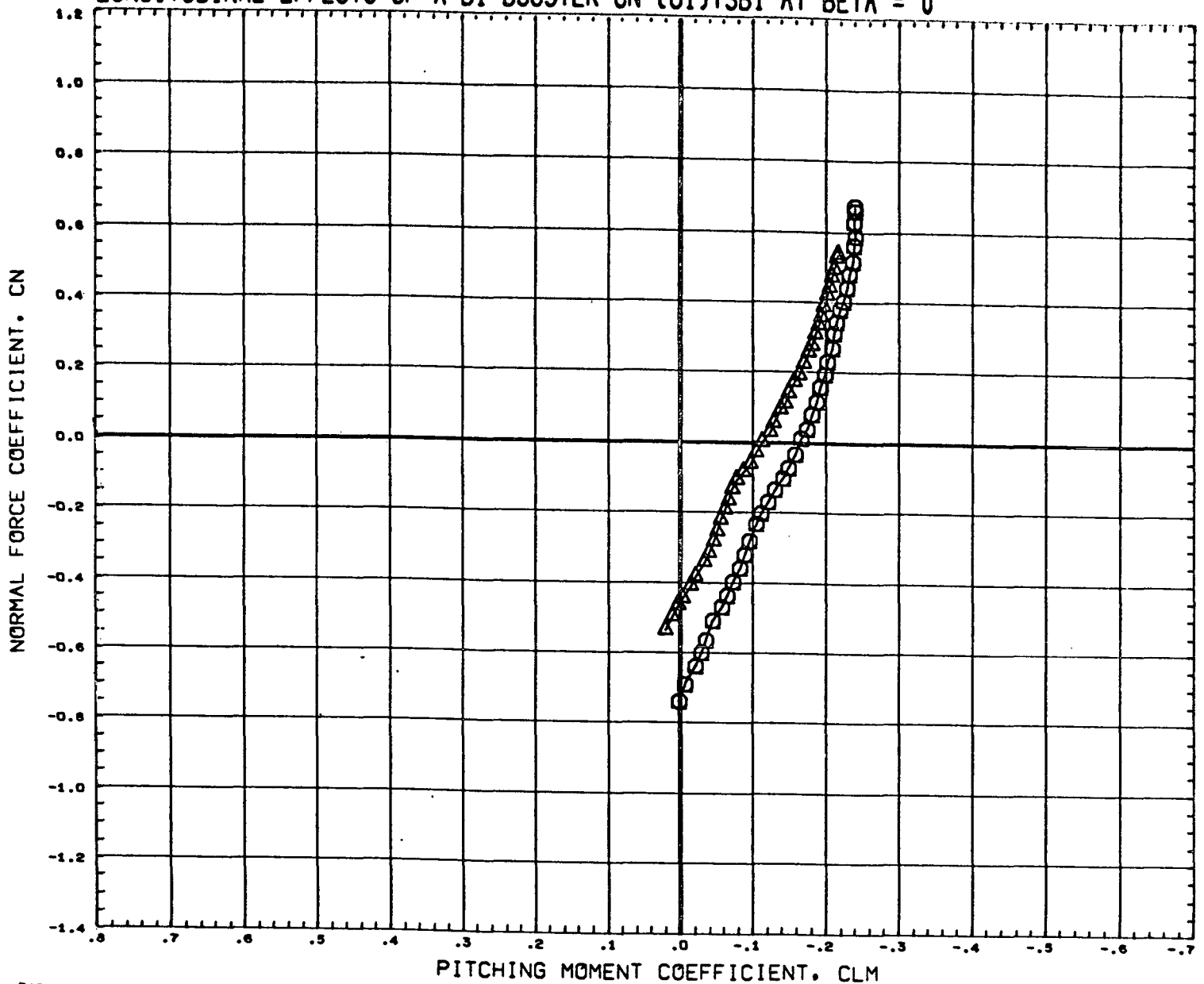


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 17

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



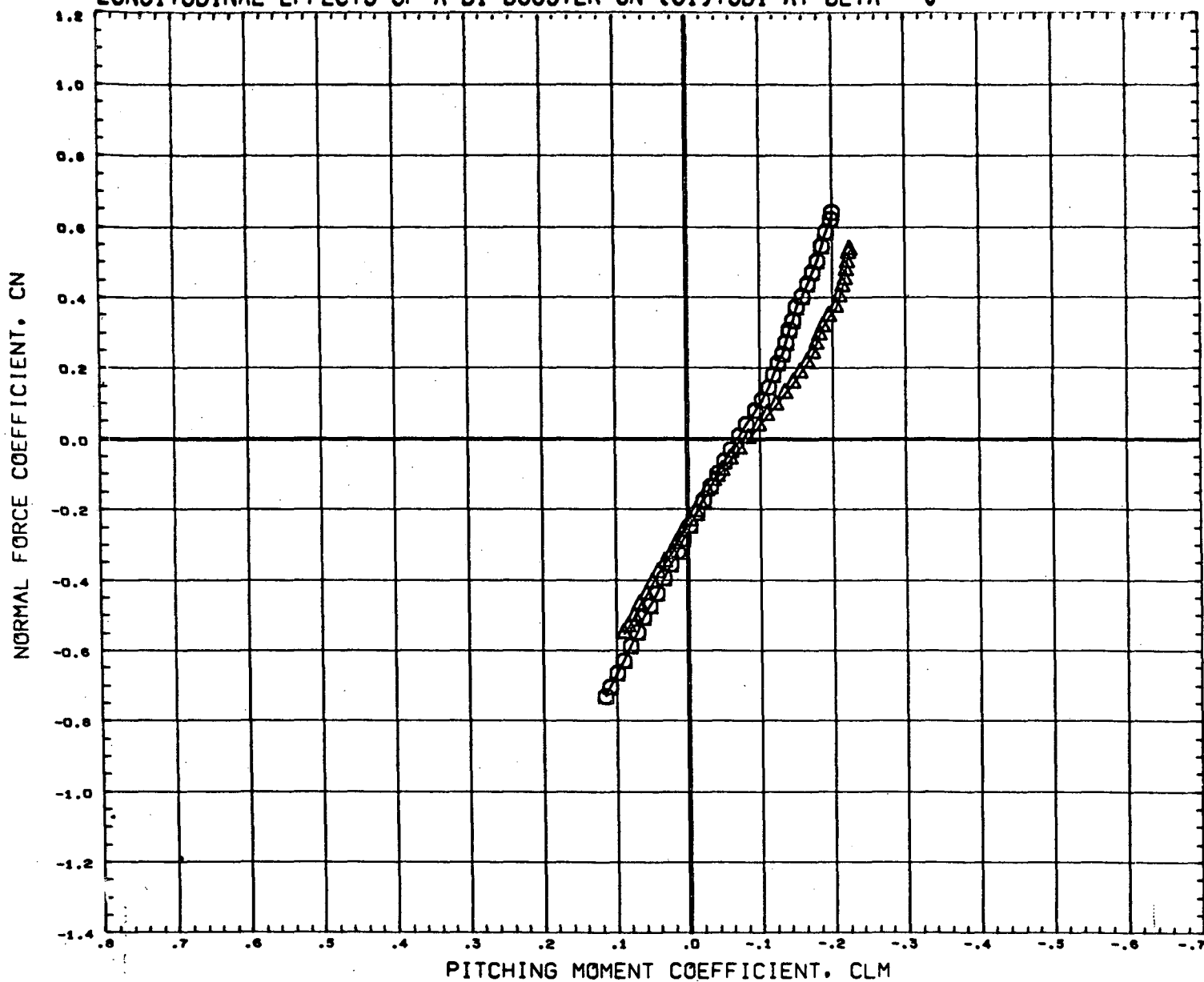
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7474) (01)T3B1
 (CD7477) (01)T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

PAGE 18

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

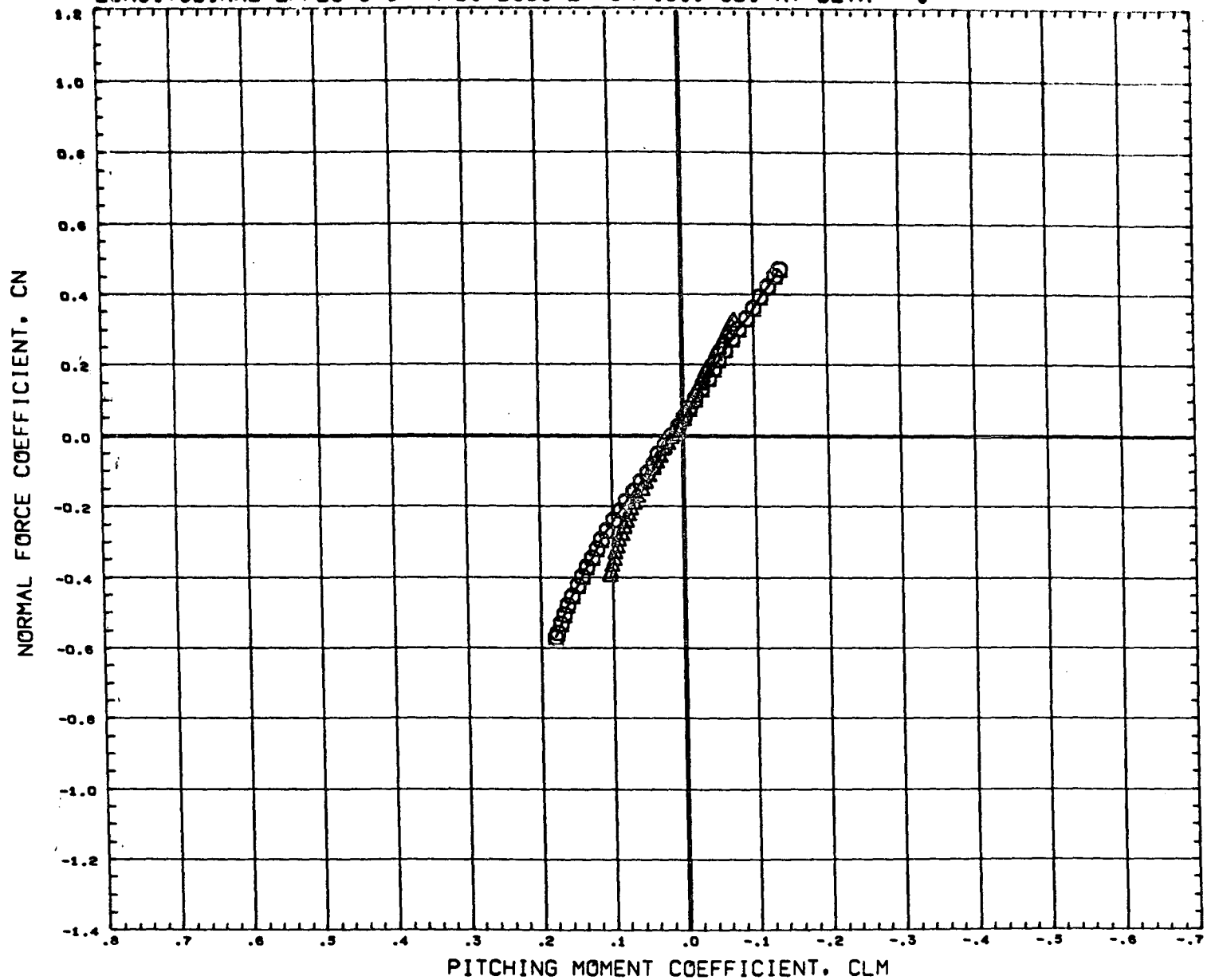


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 19

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

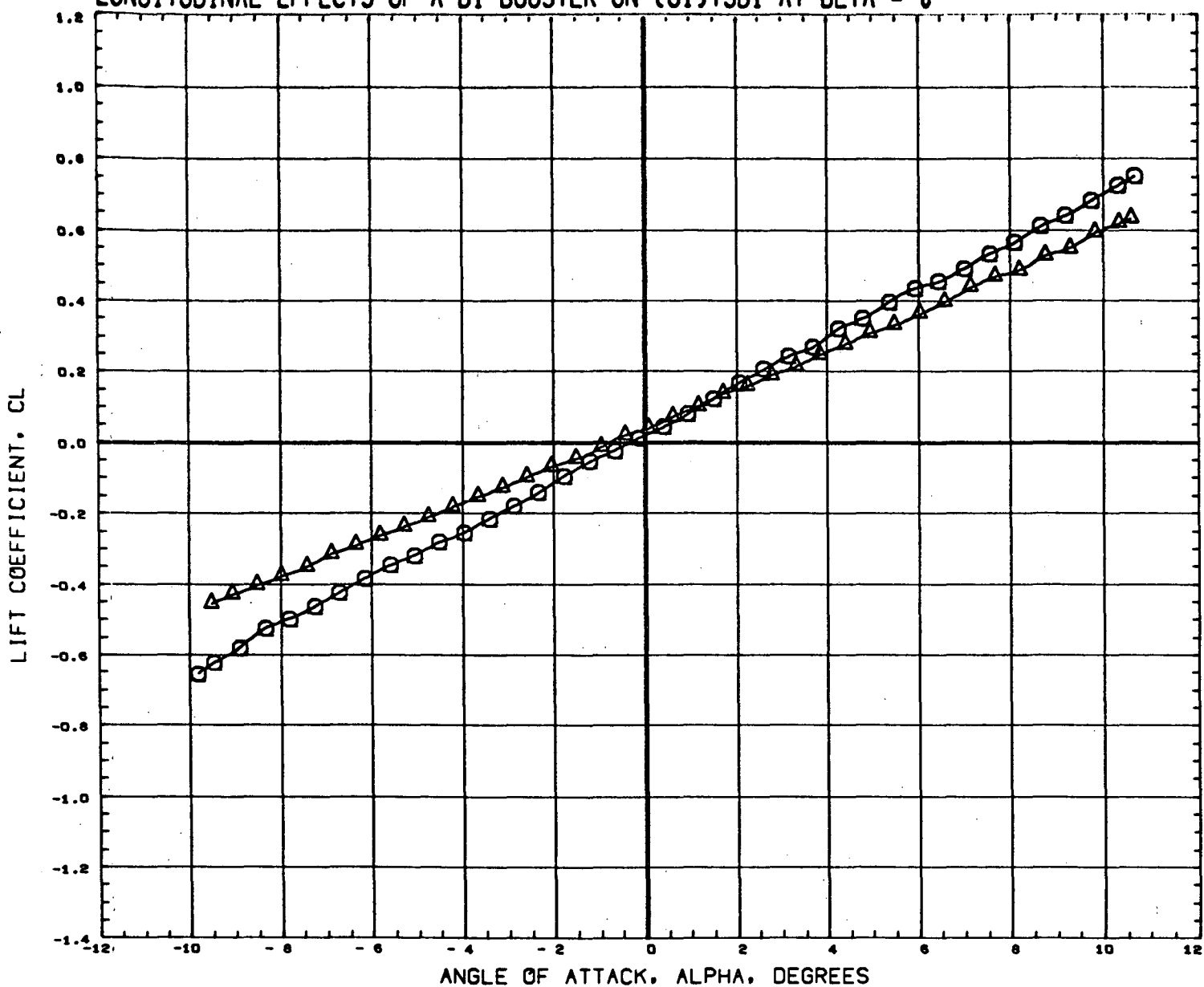


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

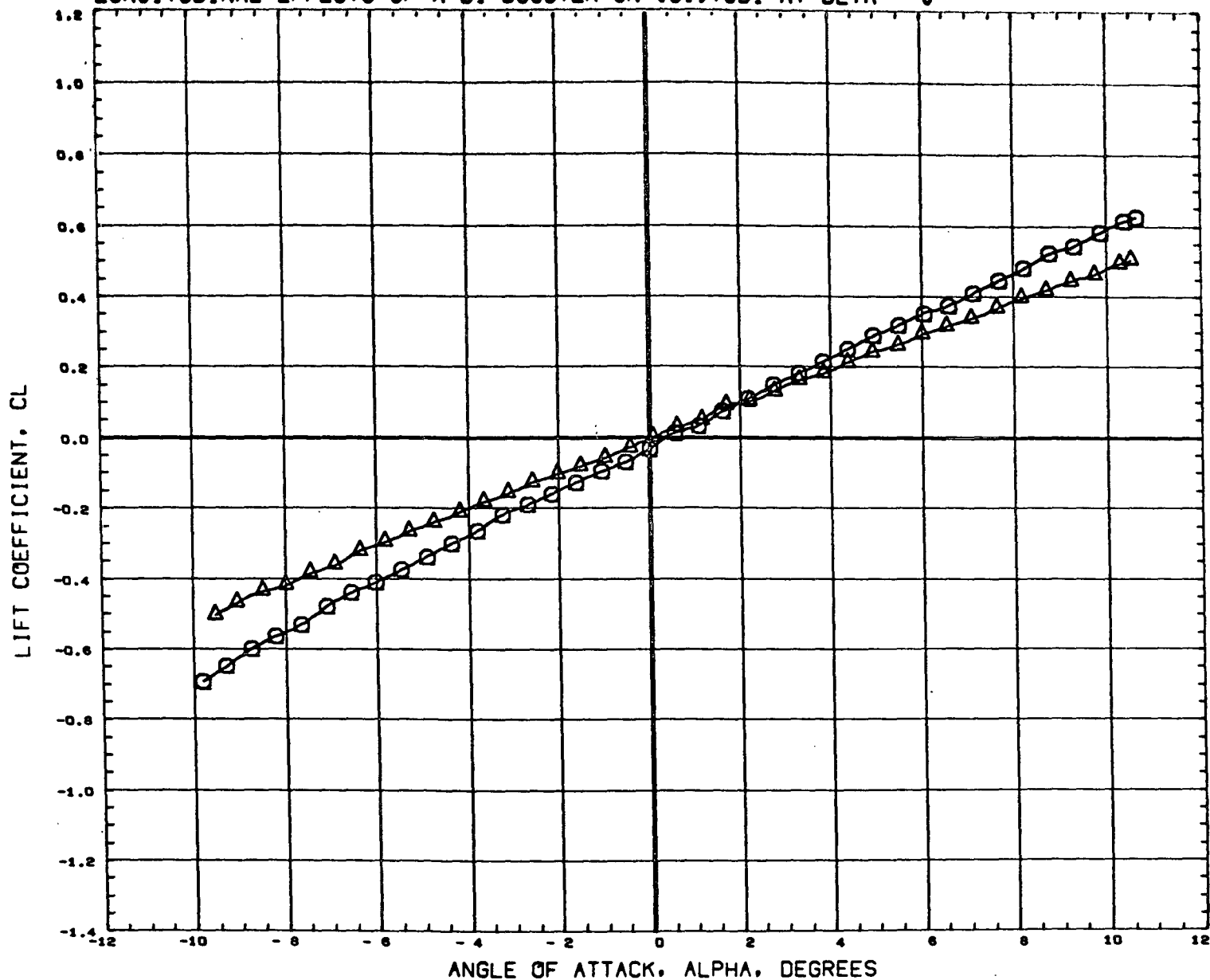


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 21

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

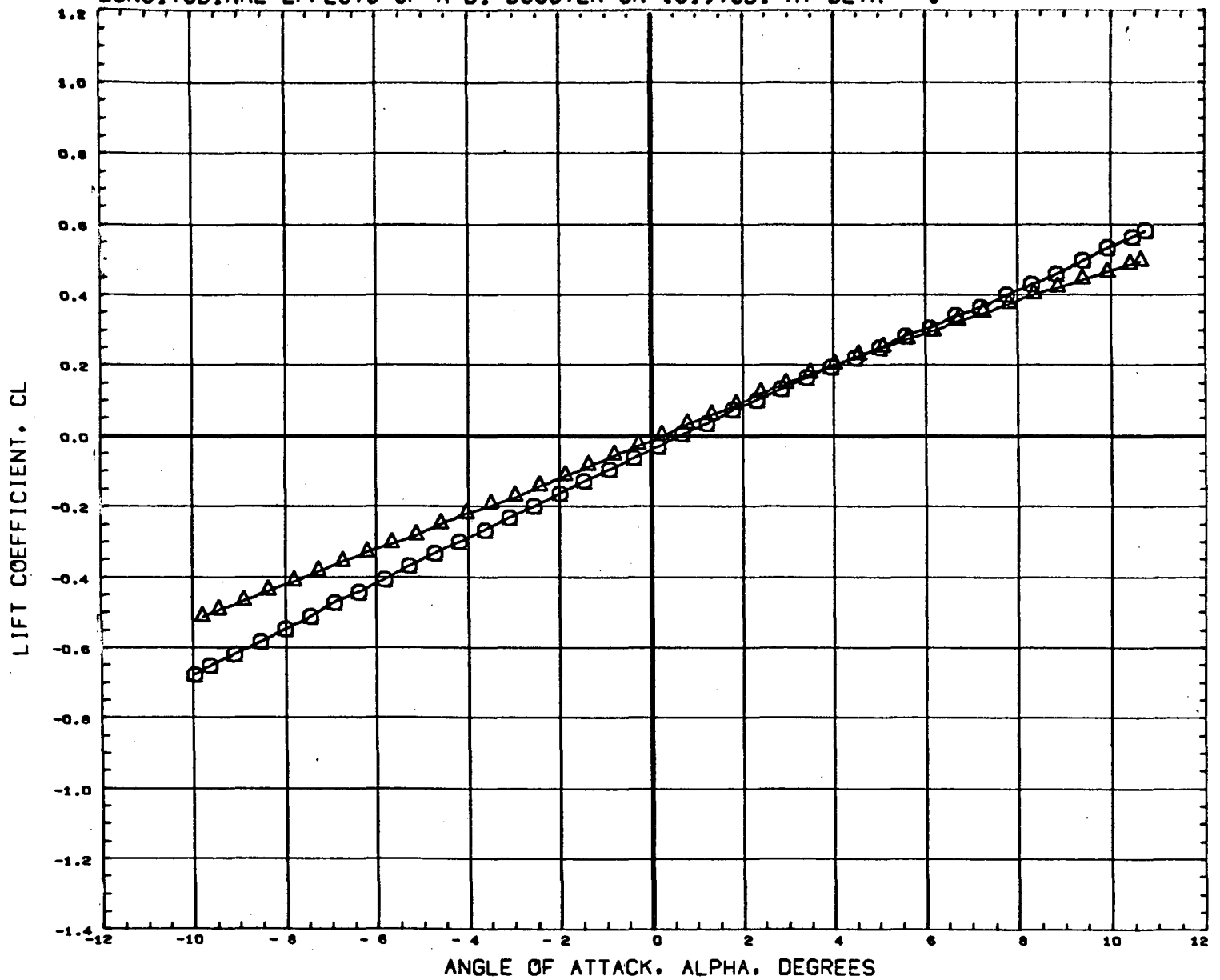


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0074 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

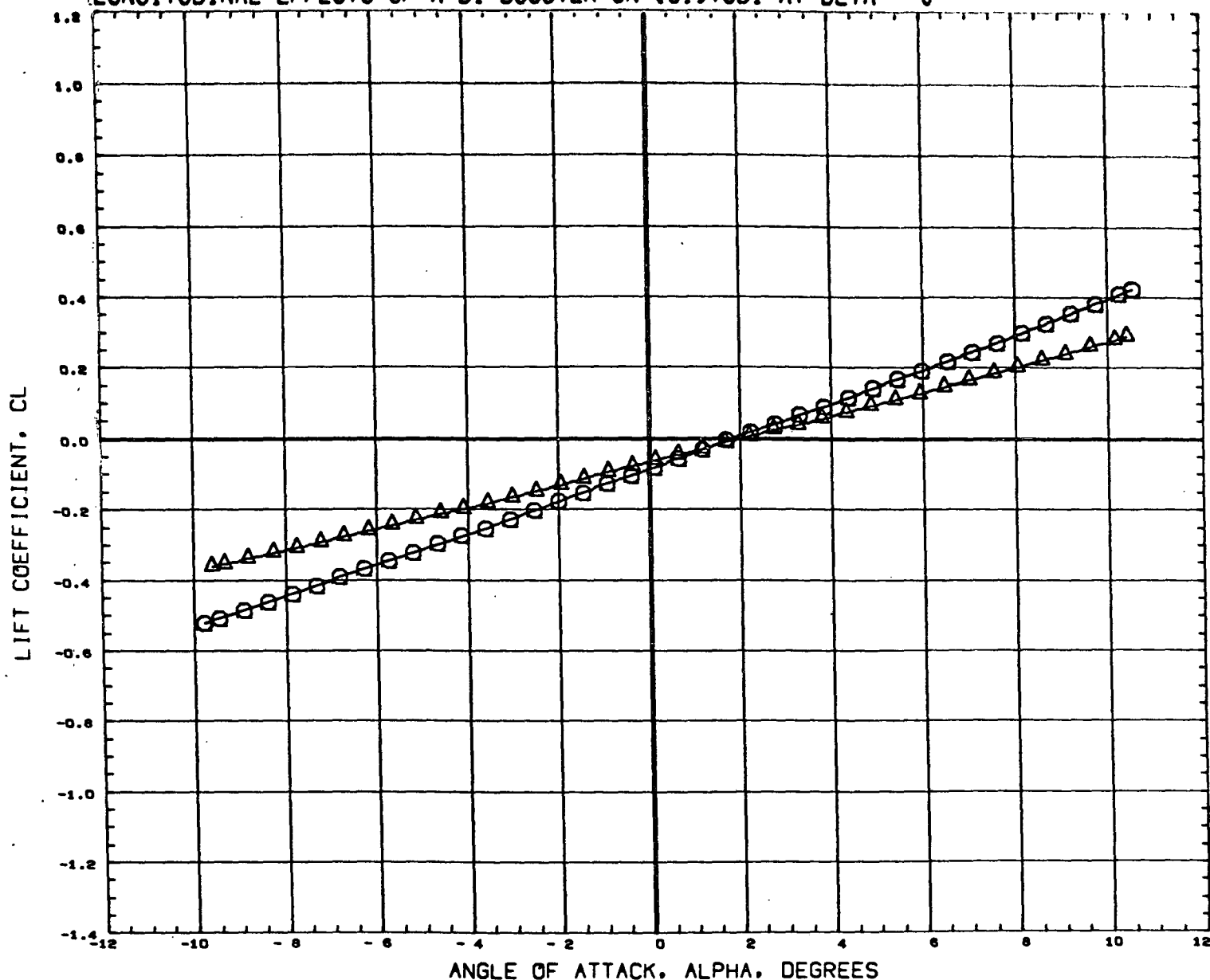


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

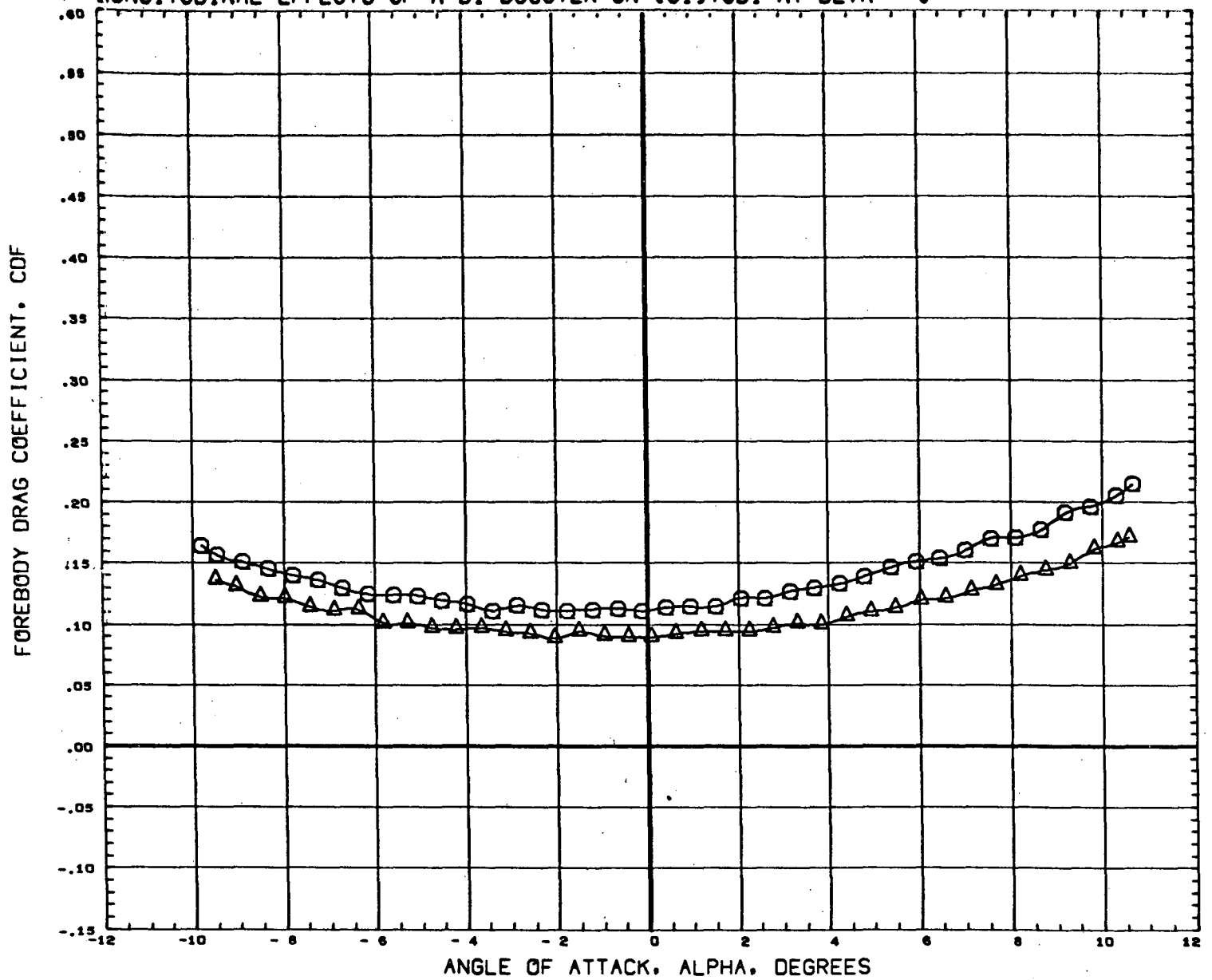


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(D07474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(D07477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



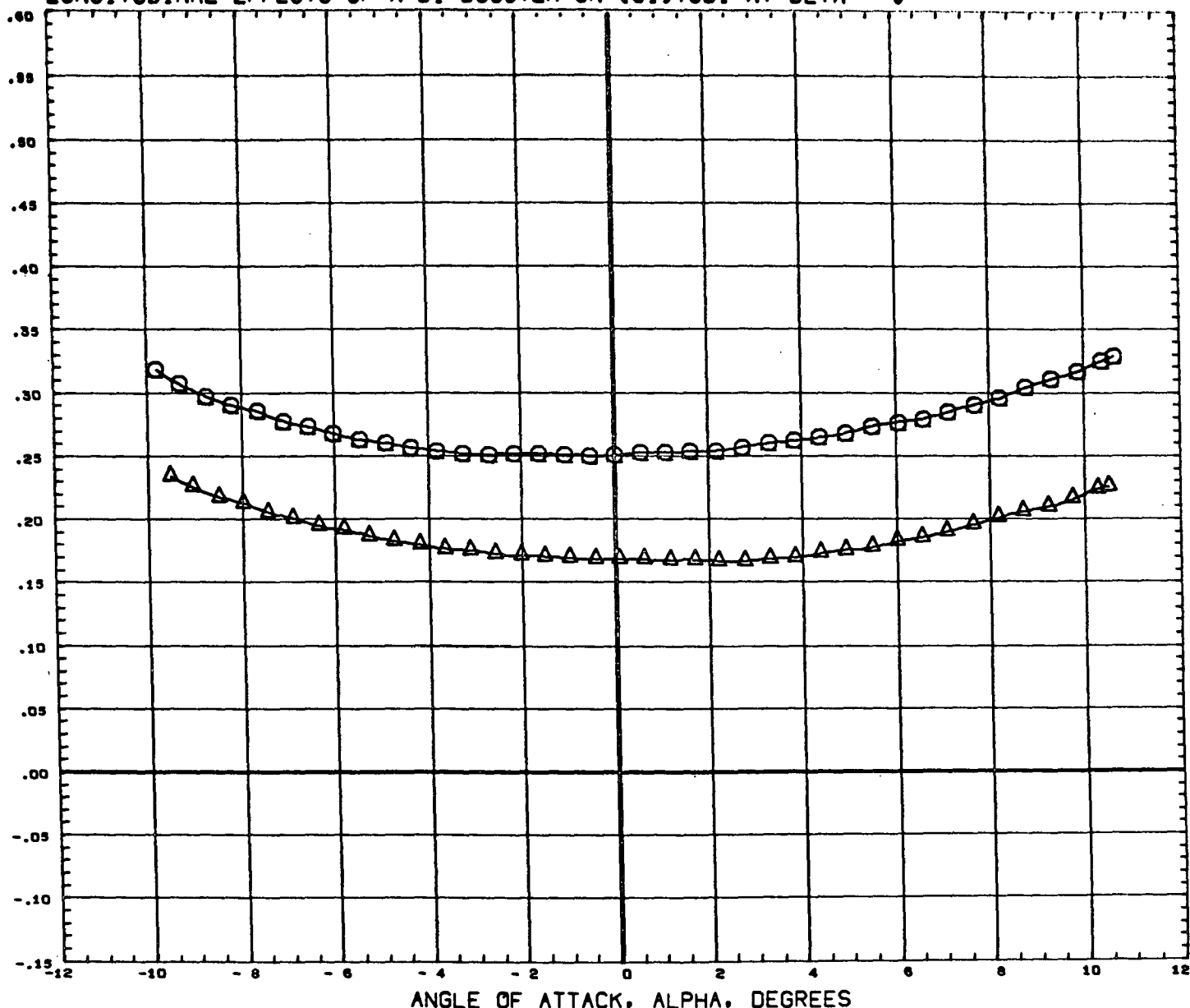
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE(T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE(T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						SREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF

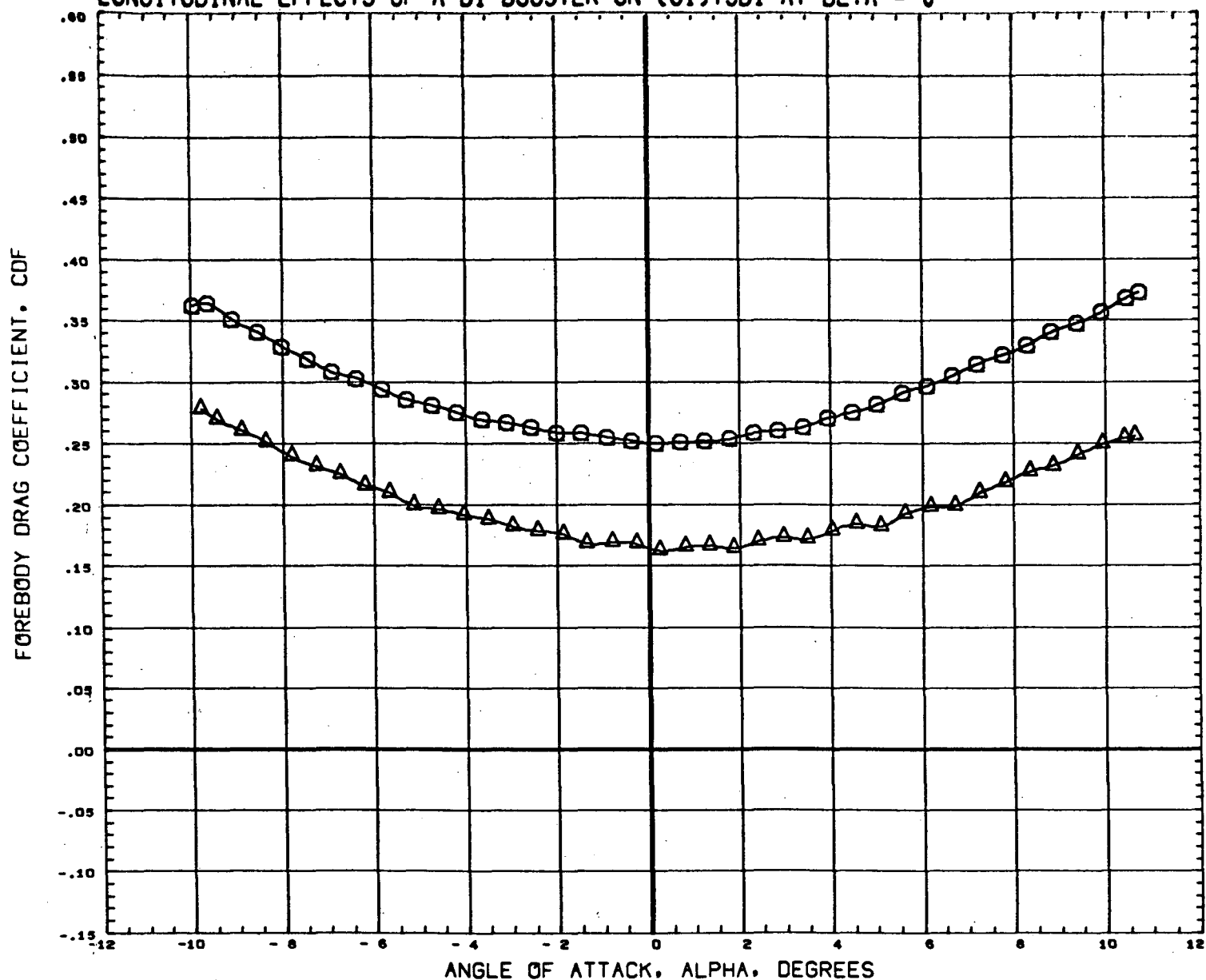


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

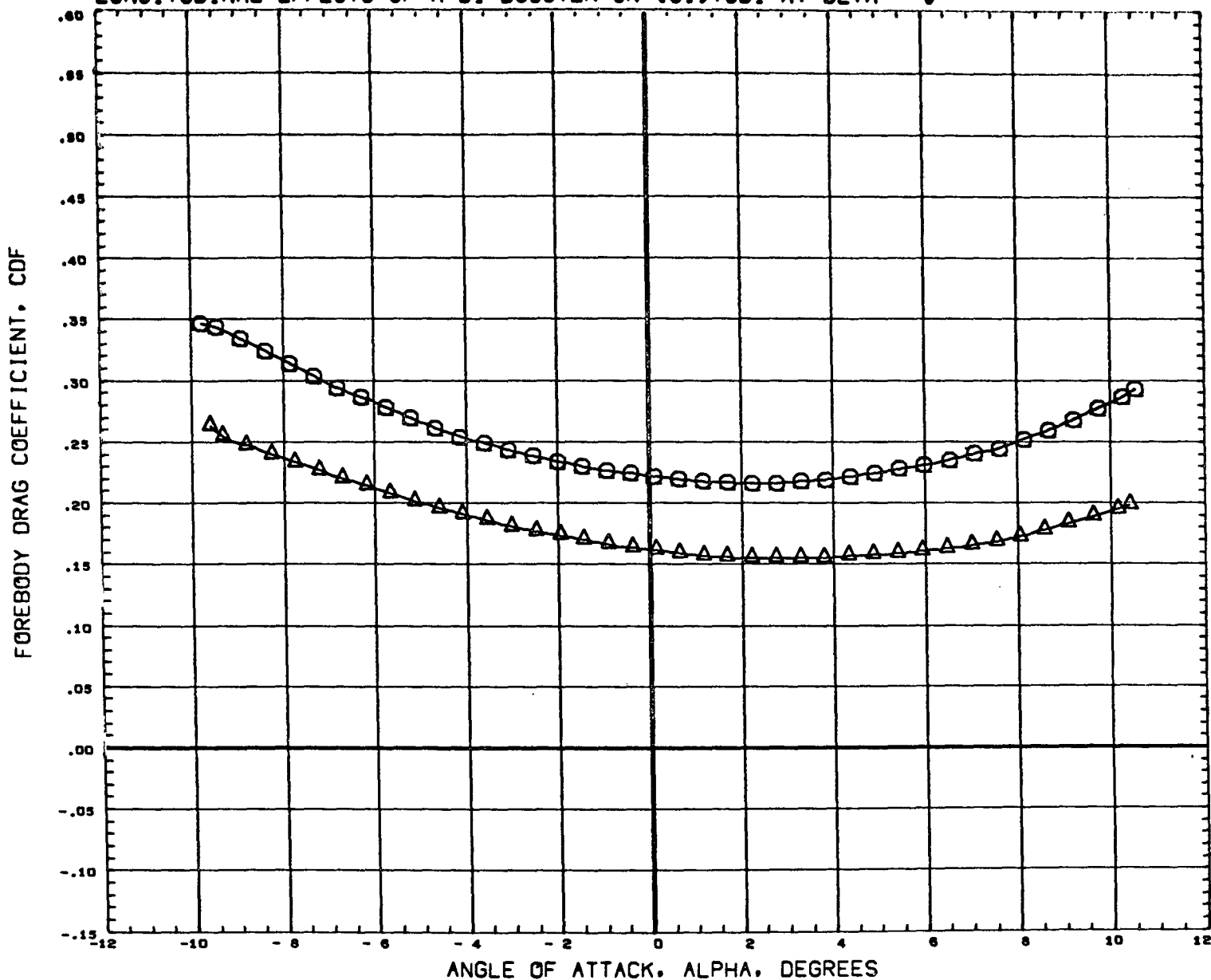


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(DD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



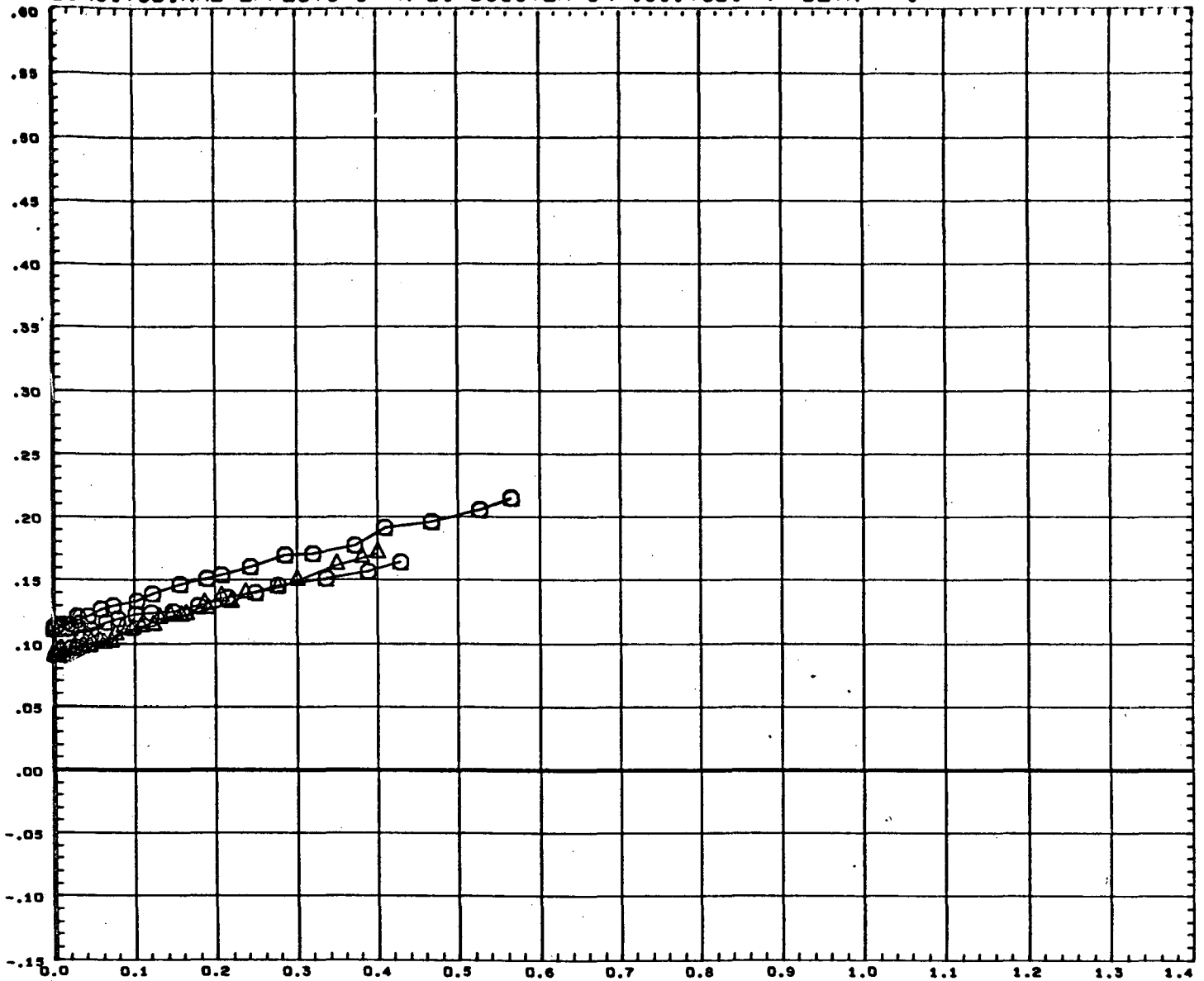
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47


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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7474) 	MDAC S-222 COMPOSITE (T-CG) (01)T3B1
(CD7477) 	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)

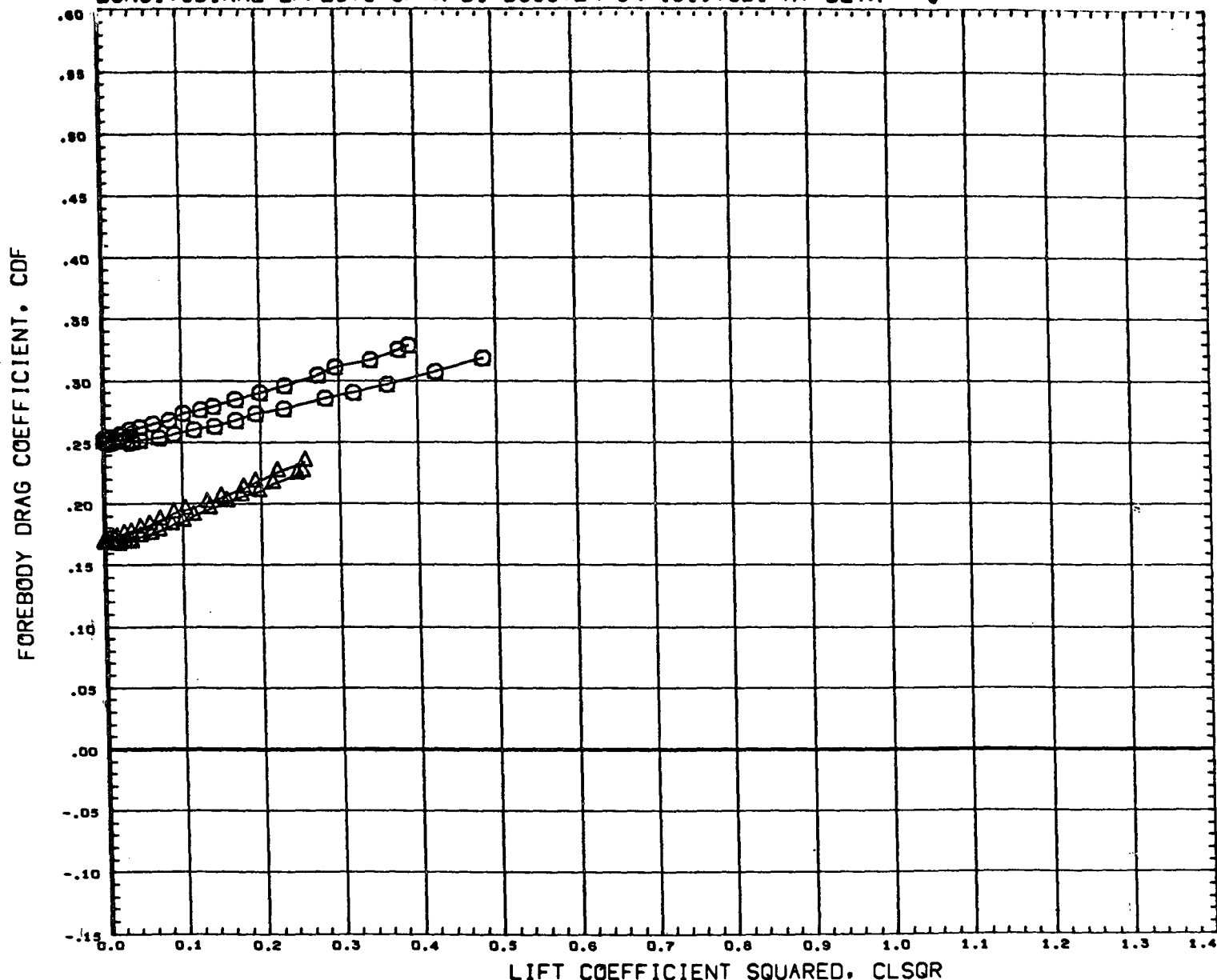
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

.90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1L (B1R)

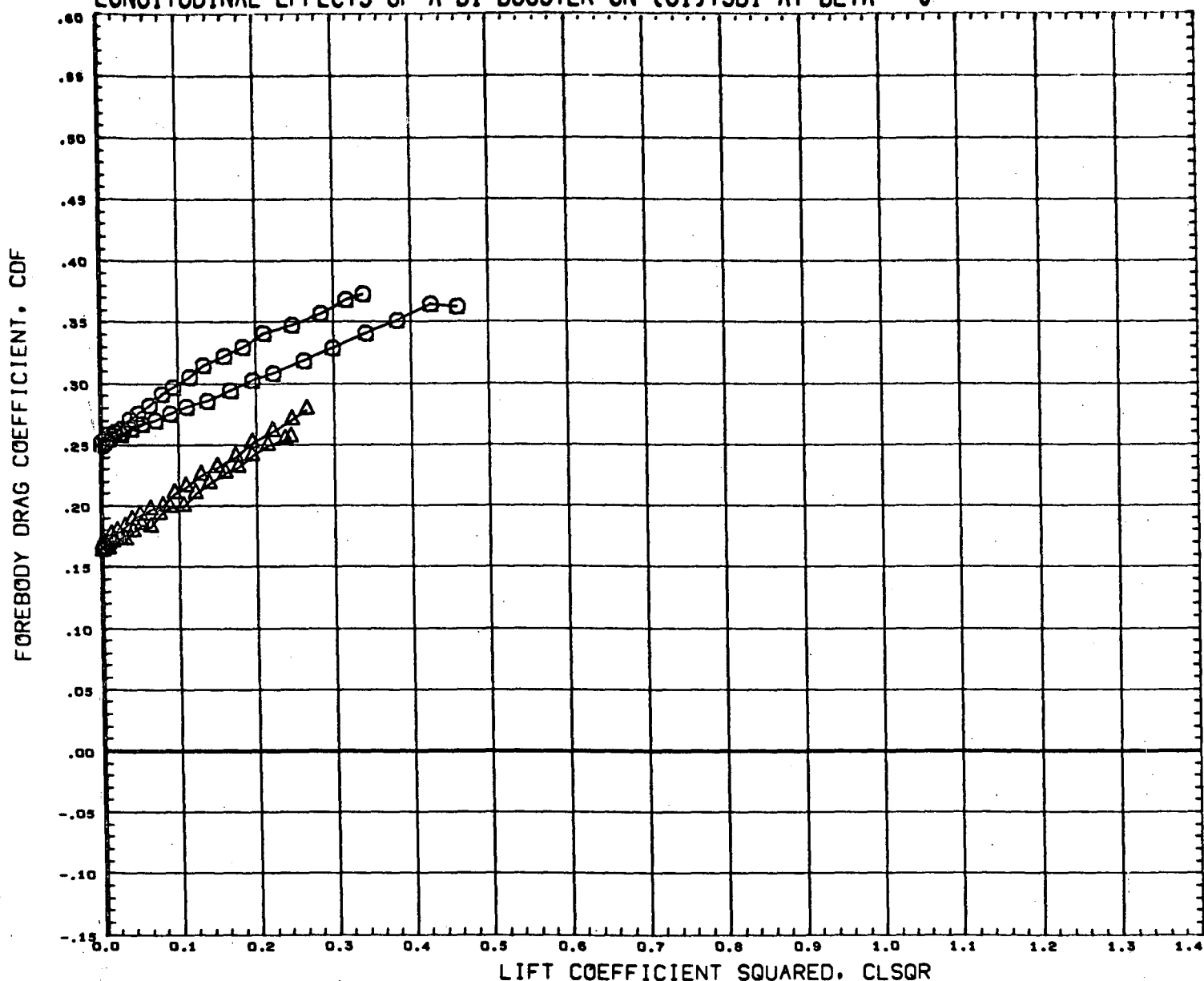
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

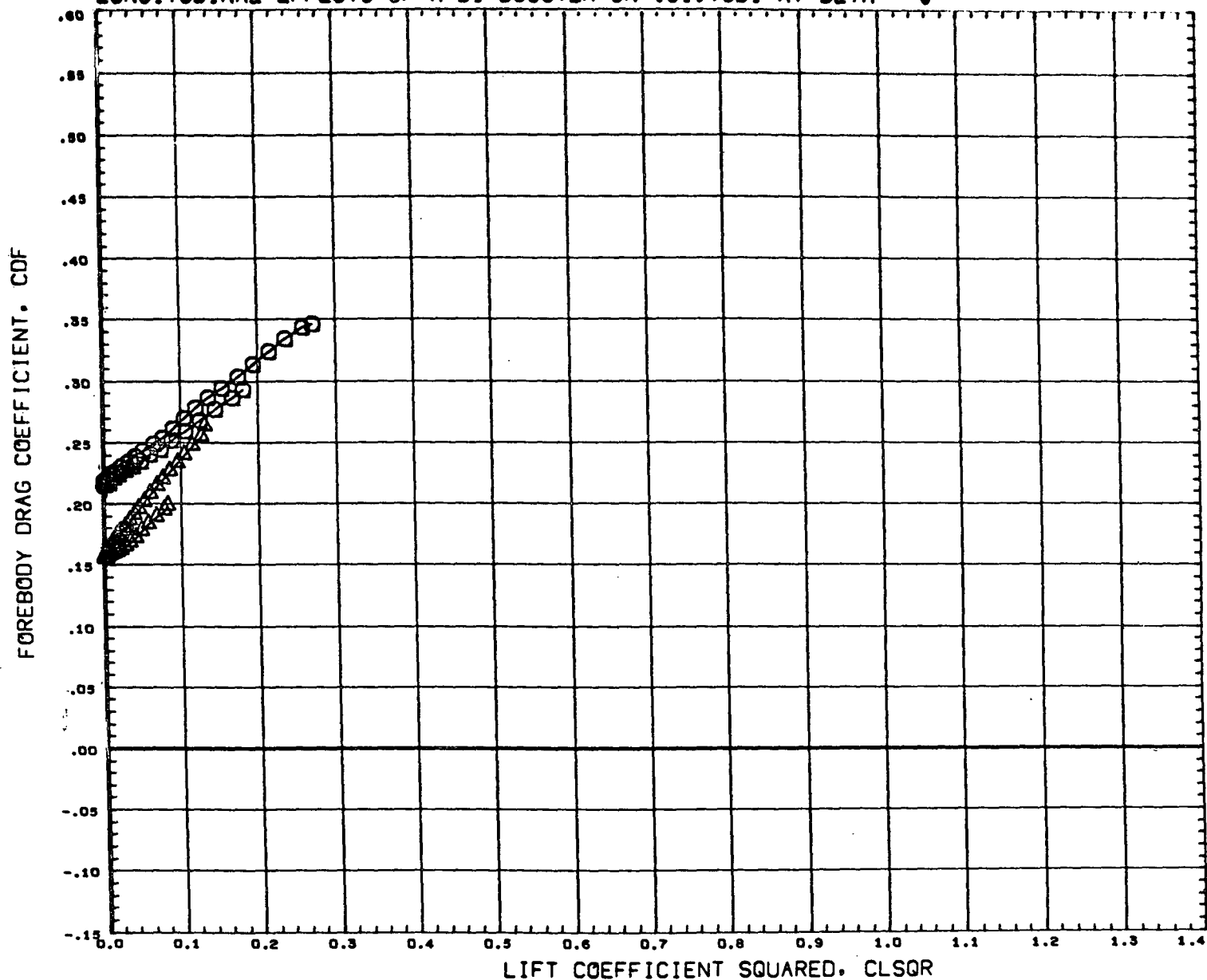


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(DD7474)	MDAC S-222 COMPOSITE (T-C6) (01) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040	50. FT.
(QD7477)	MDAC S-222 COMPOSITE (T-C6) (01) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	957.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

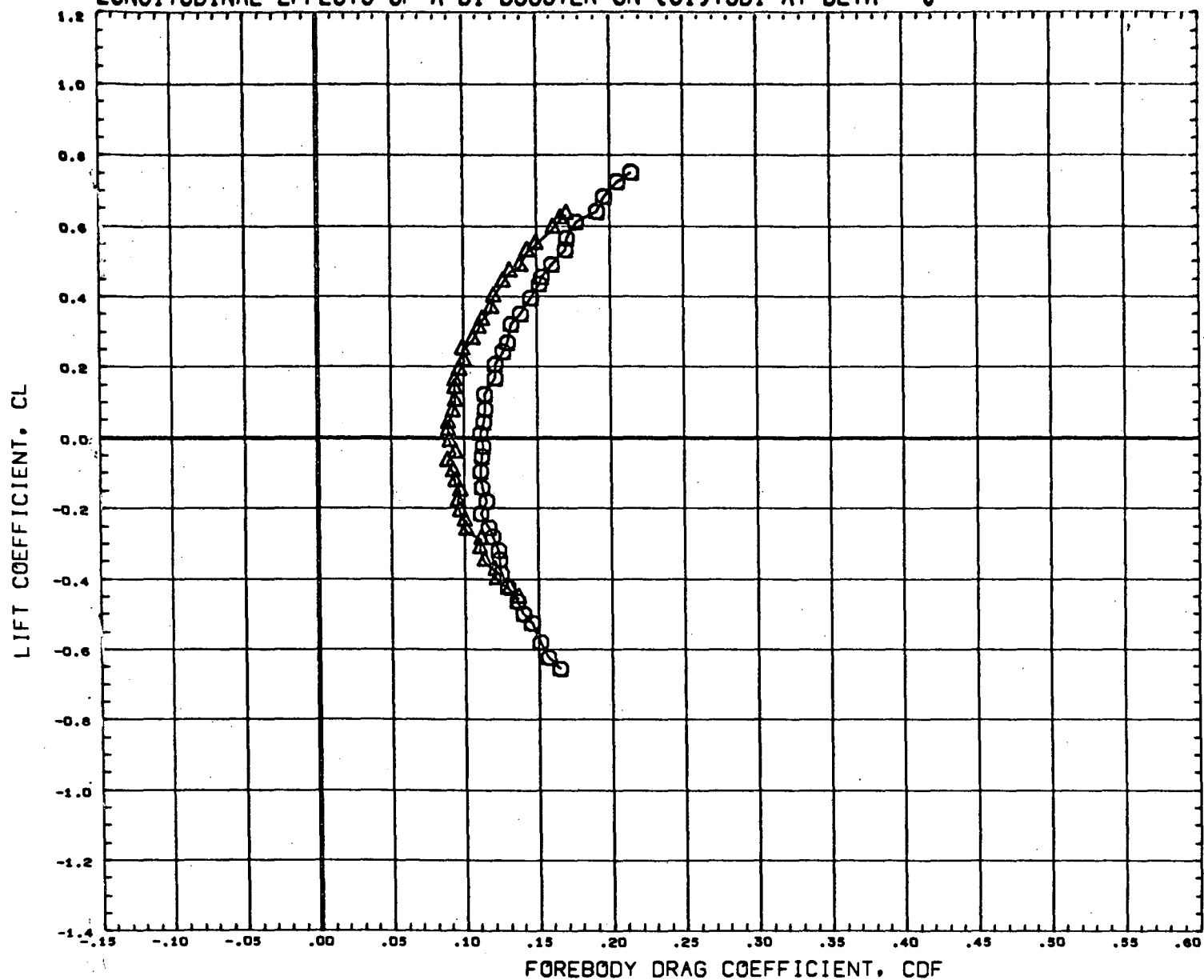
MACH

4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

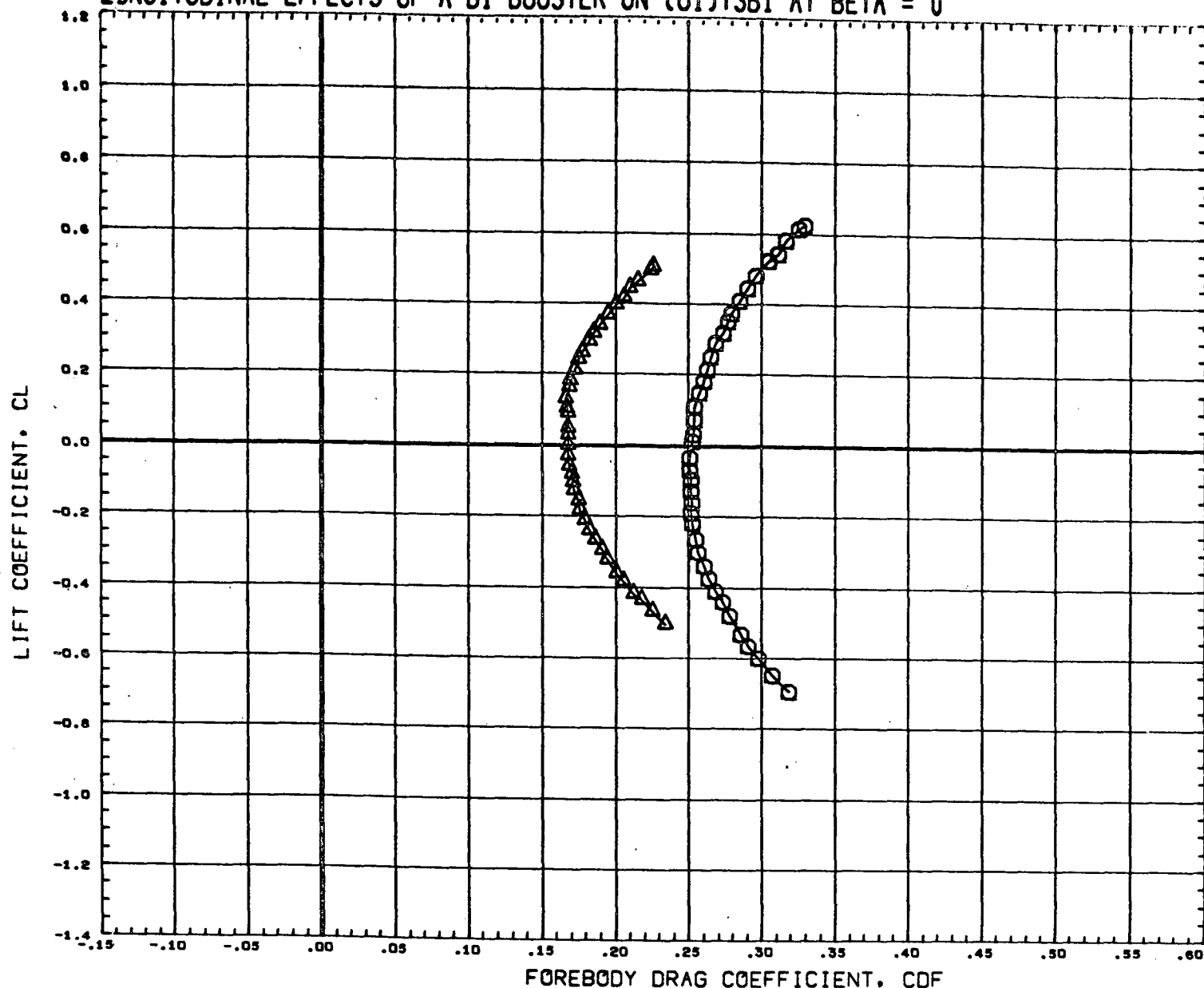


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH .90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



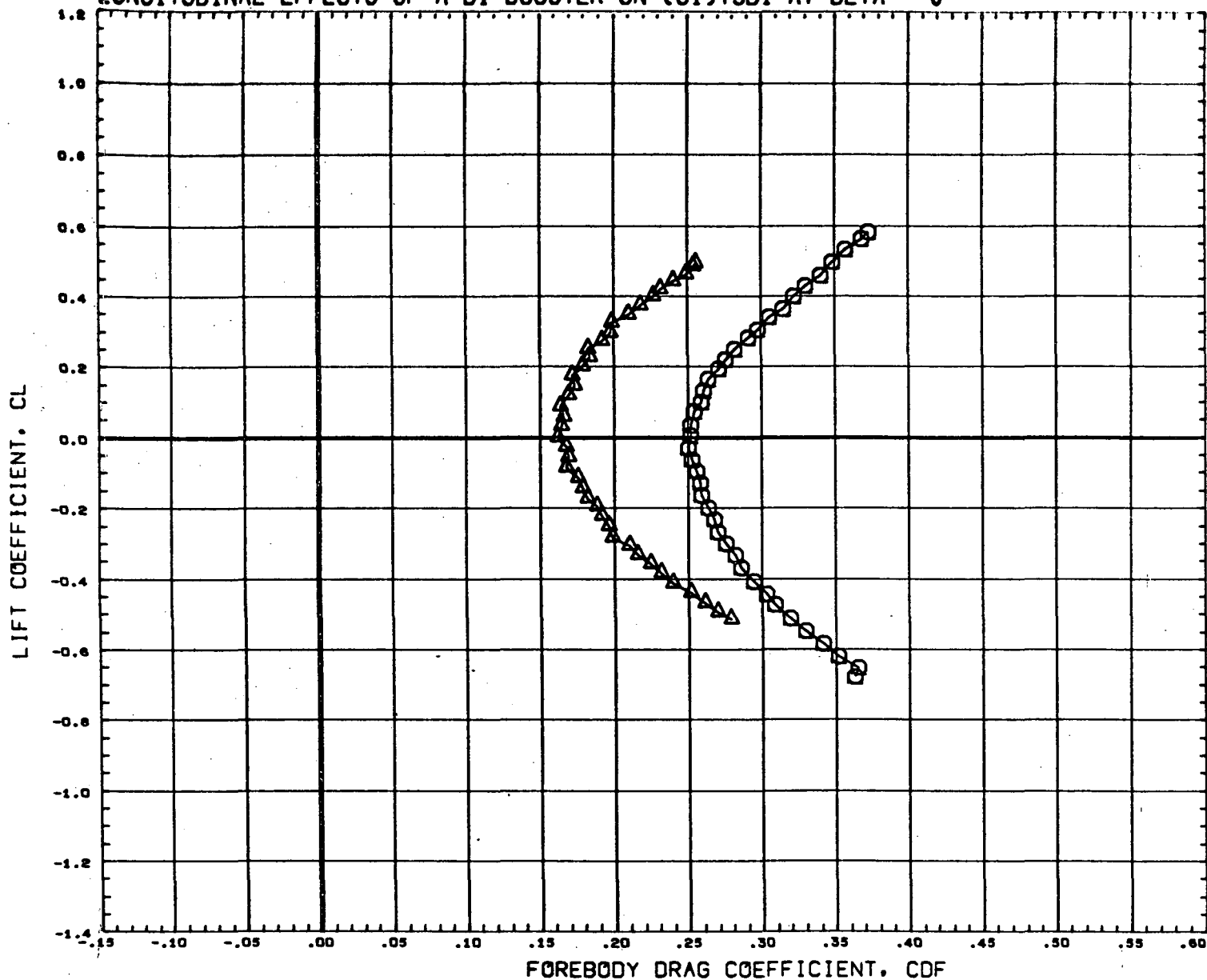
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7474) (O) MDAC S-222 COMPOSITE (T-CG) (O1) T3B1
 (CD7477) (A) MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



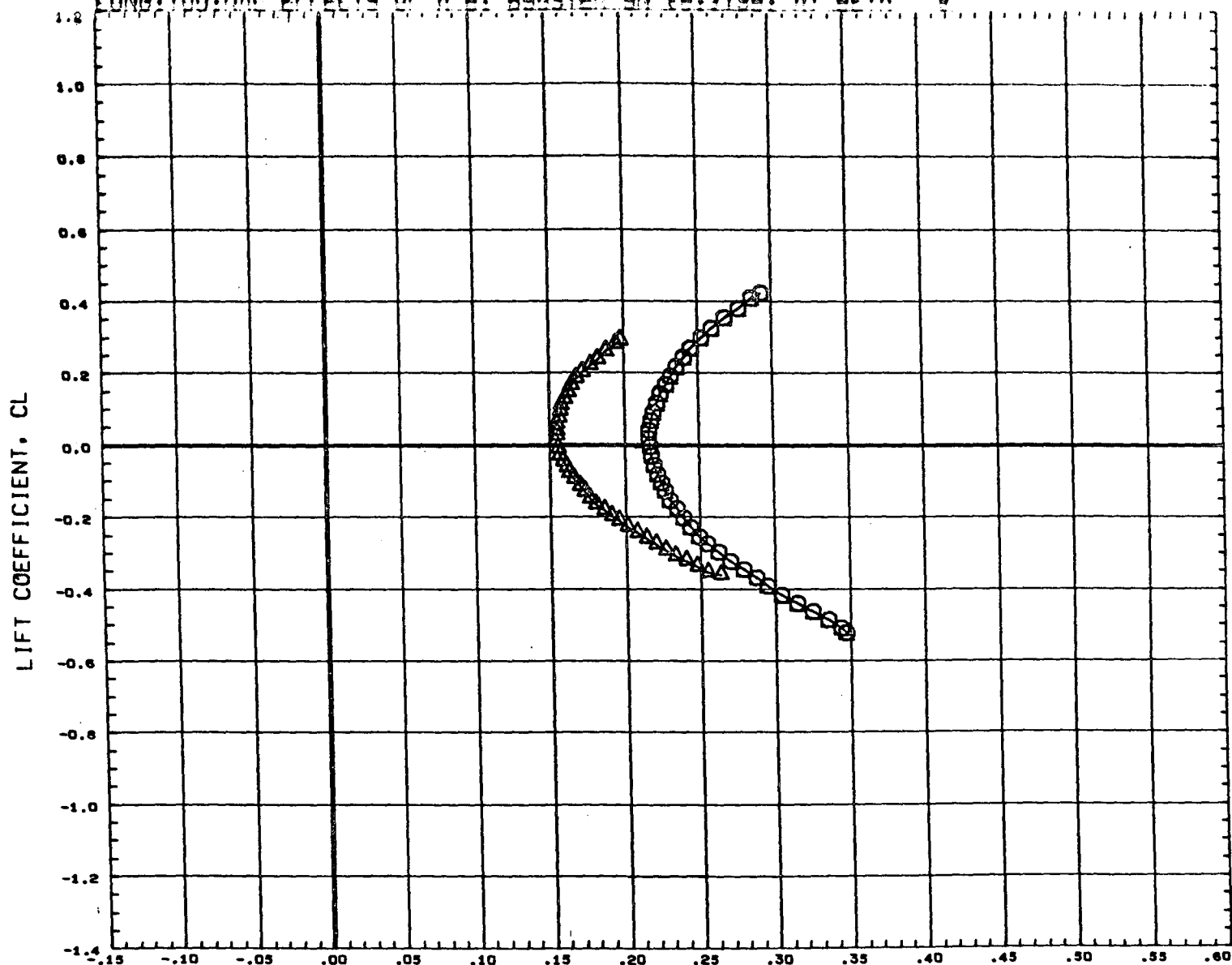
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A BI BOOSTER ON (01)T3B1 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L(B1R)

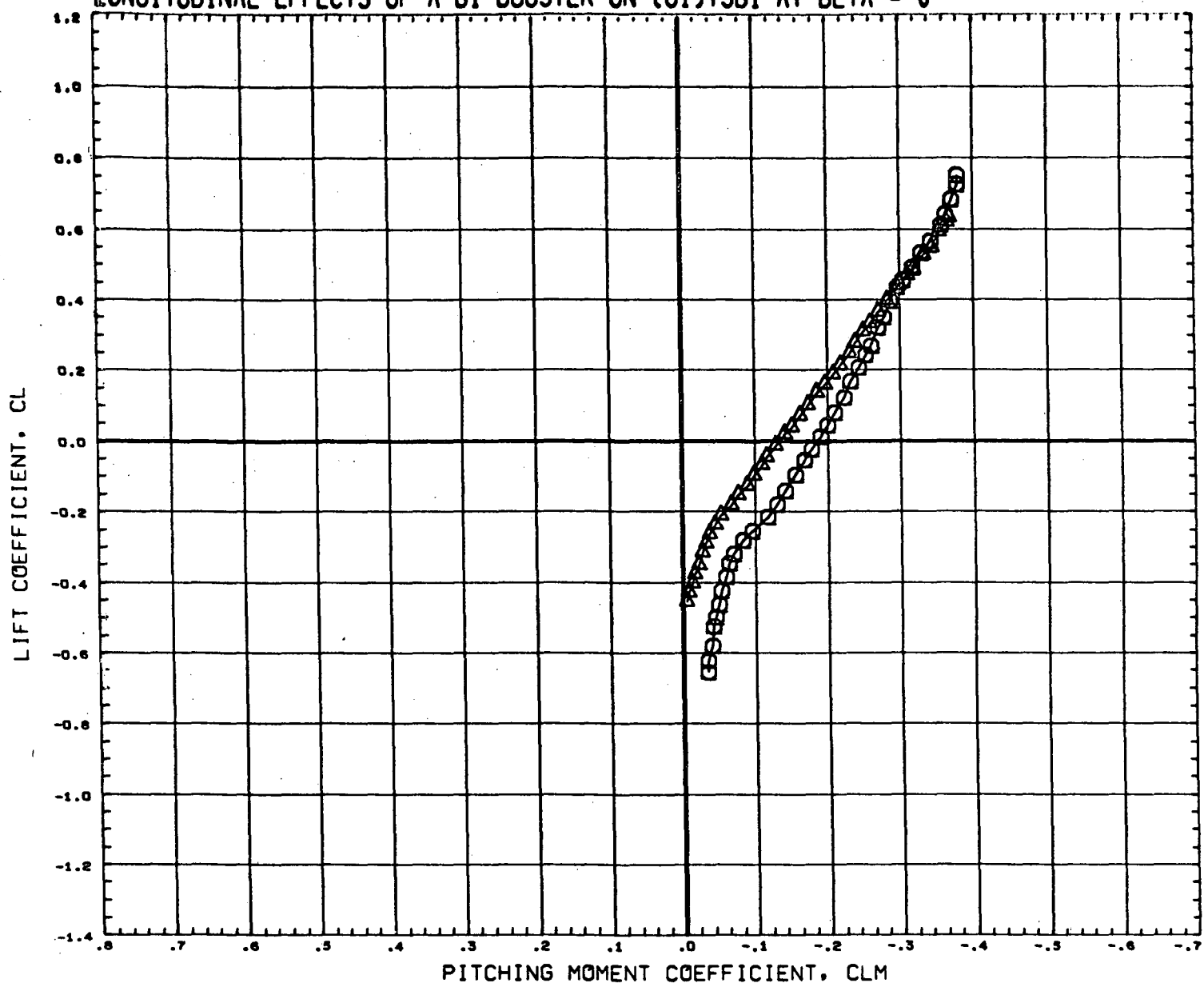
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0030	

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

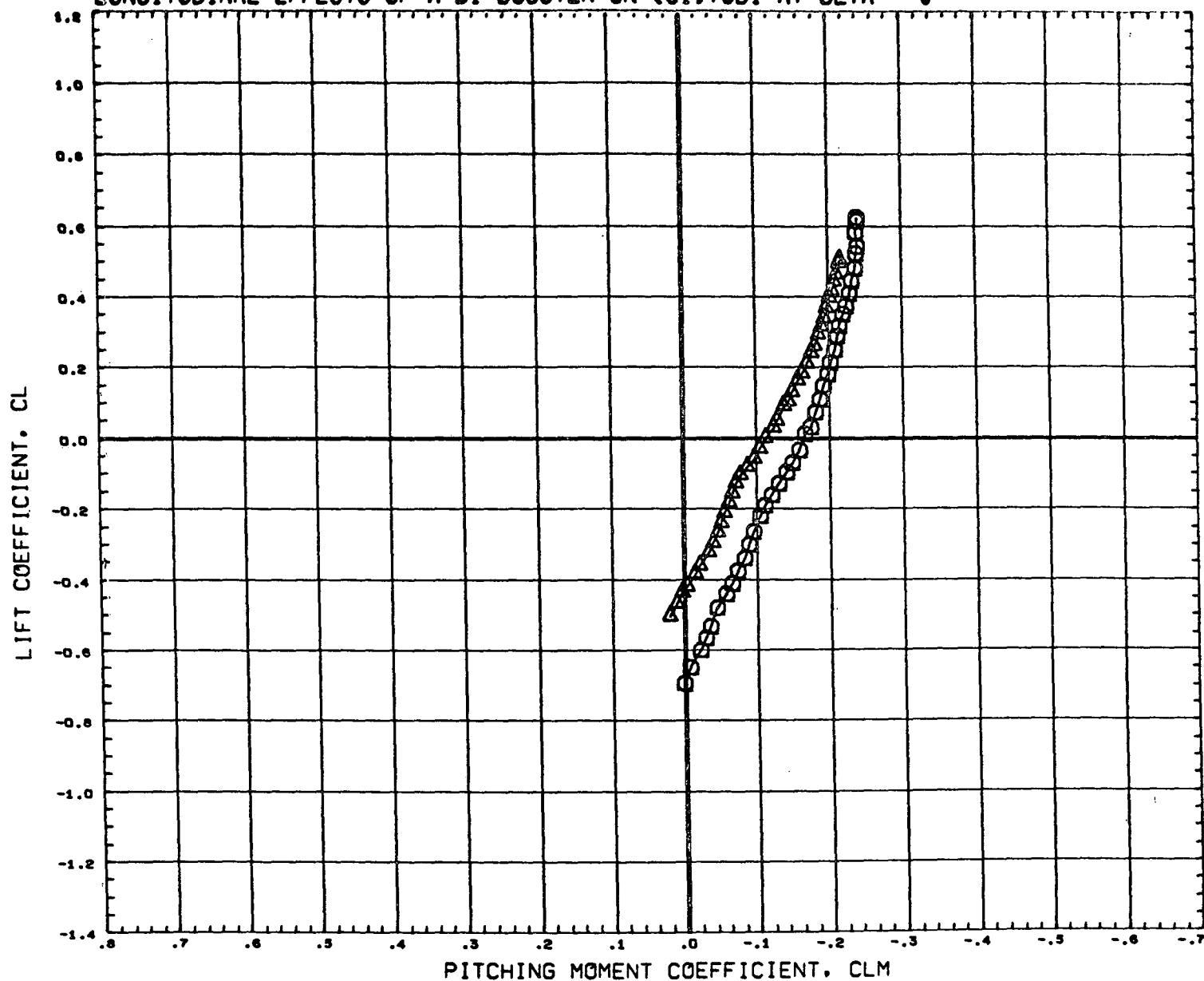


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

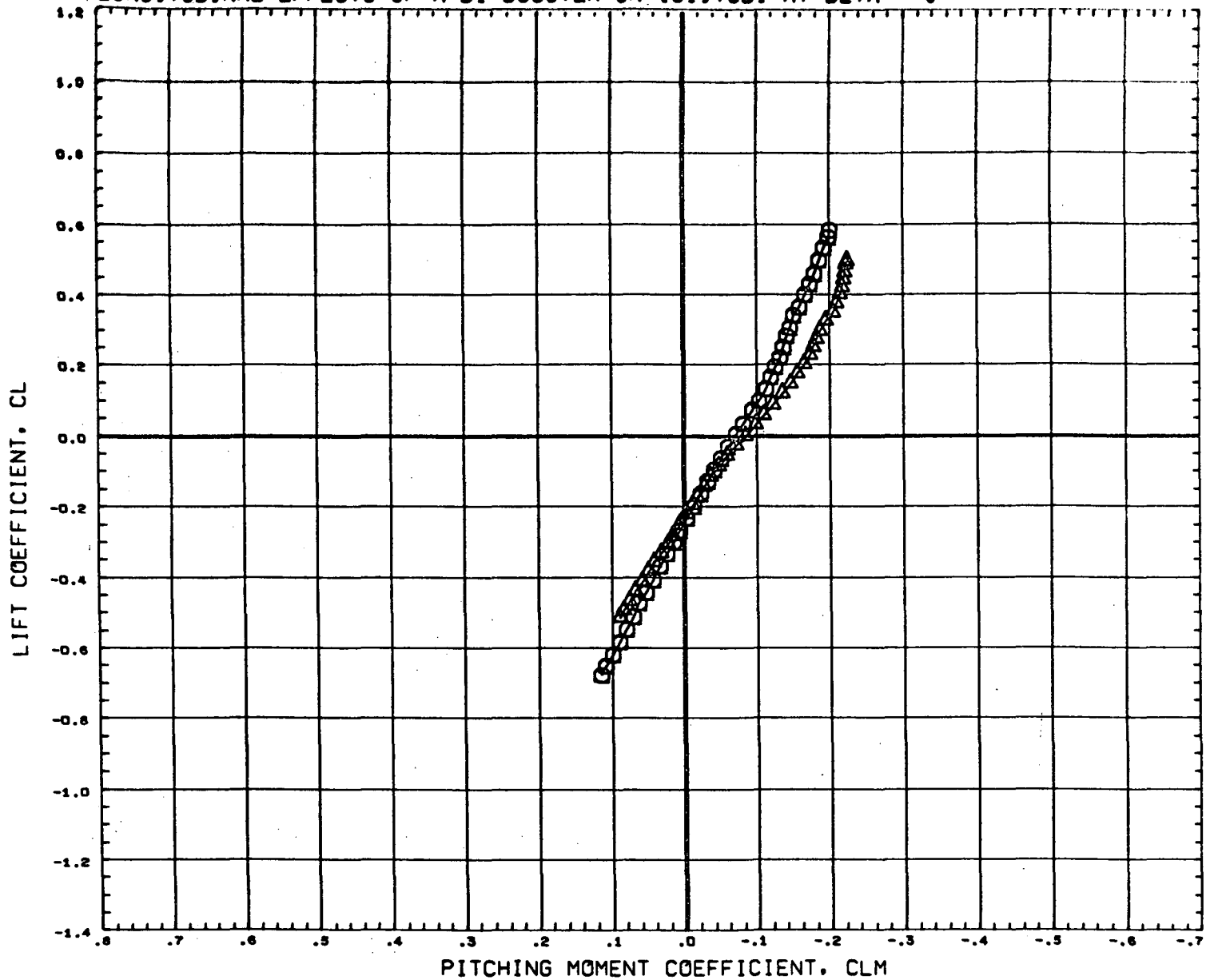


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

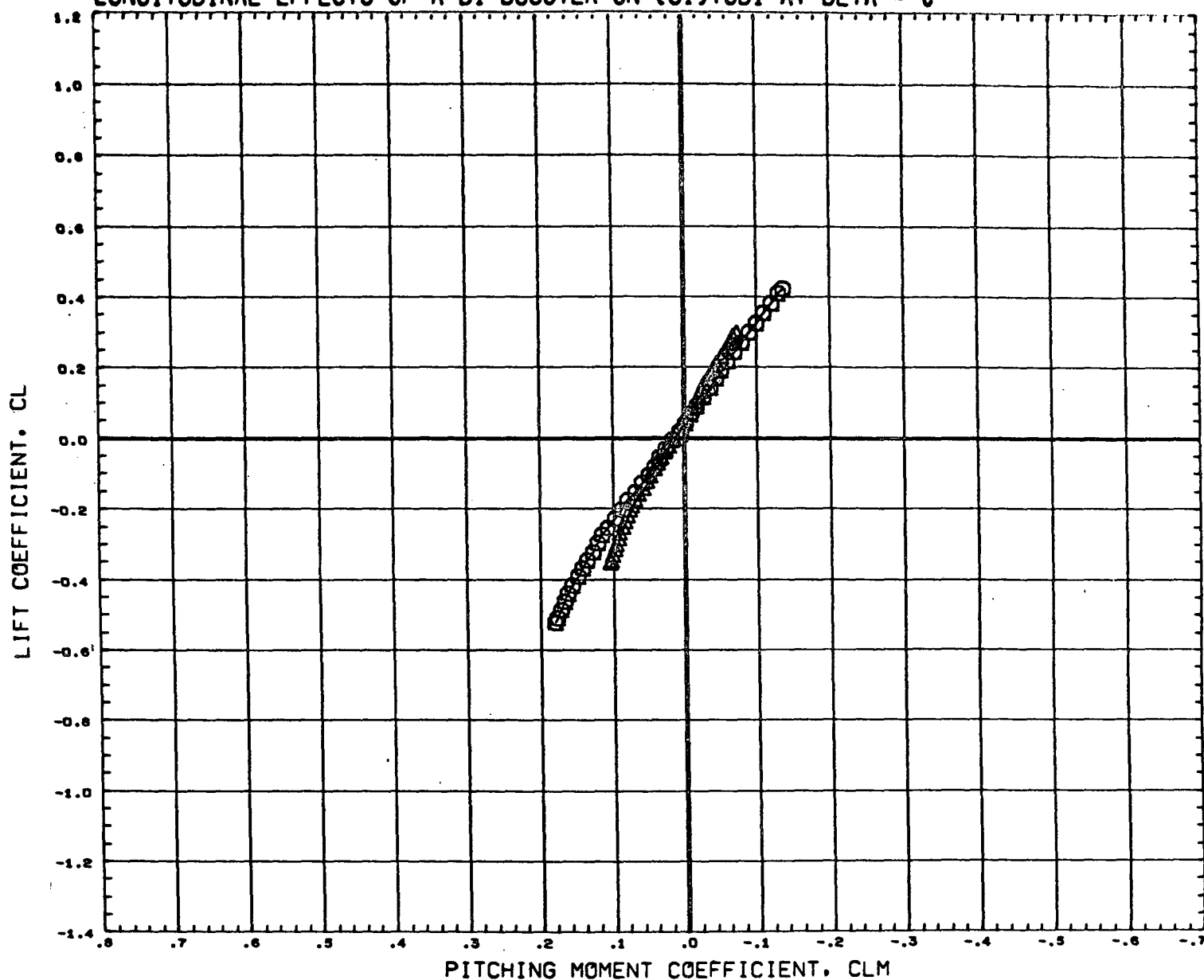


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

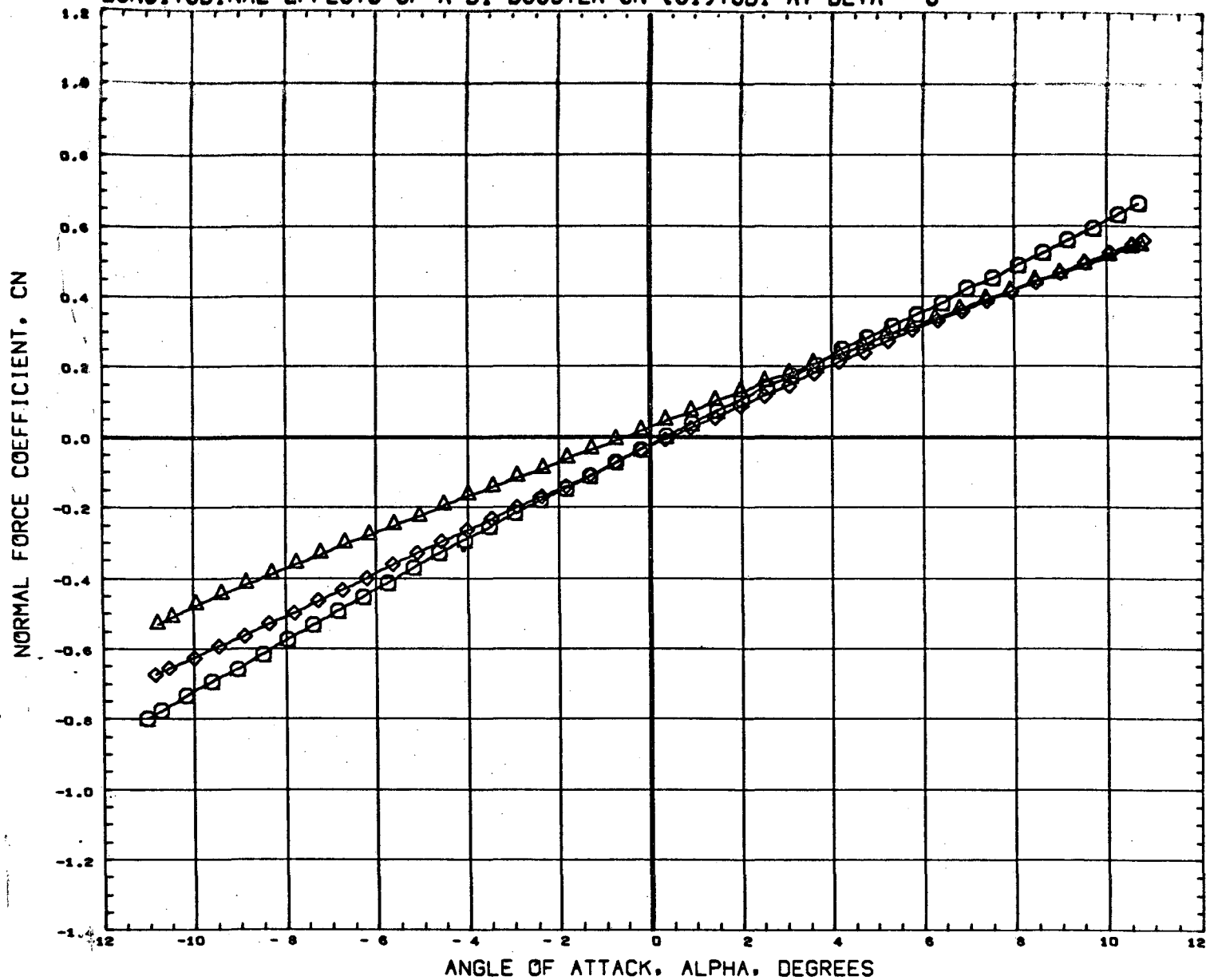


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

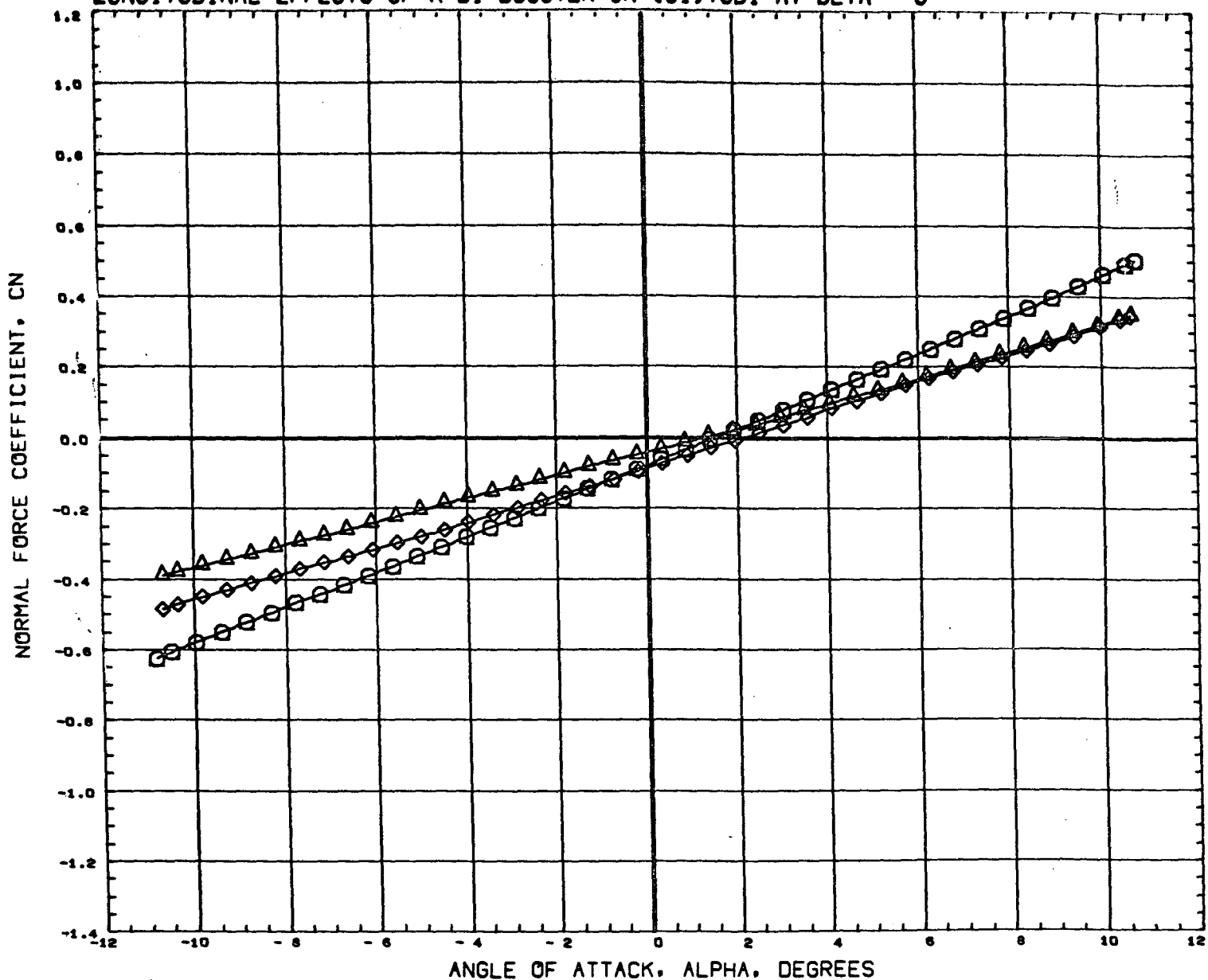


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

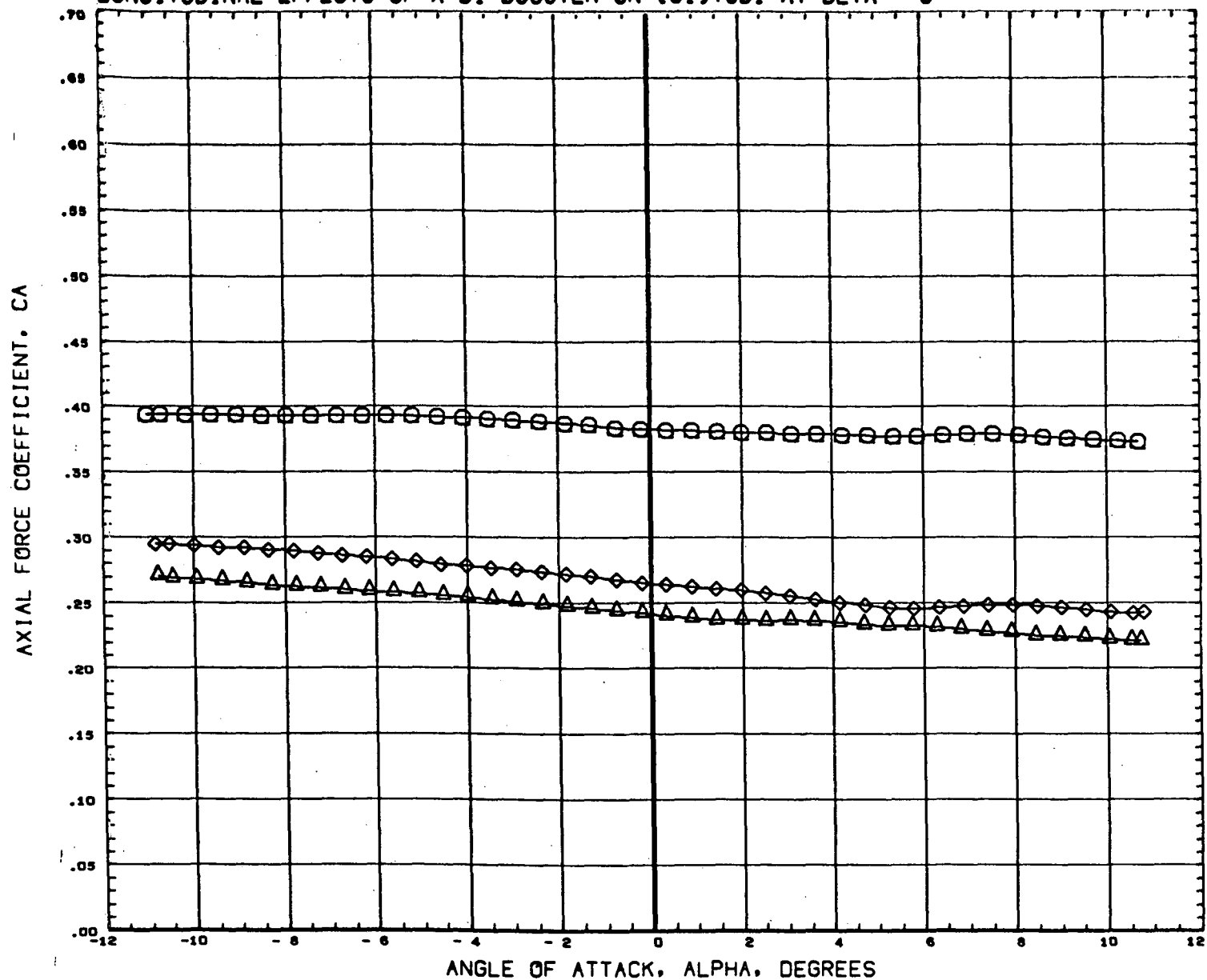
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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3010 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5034 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

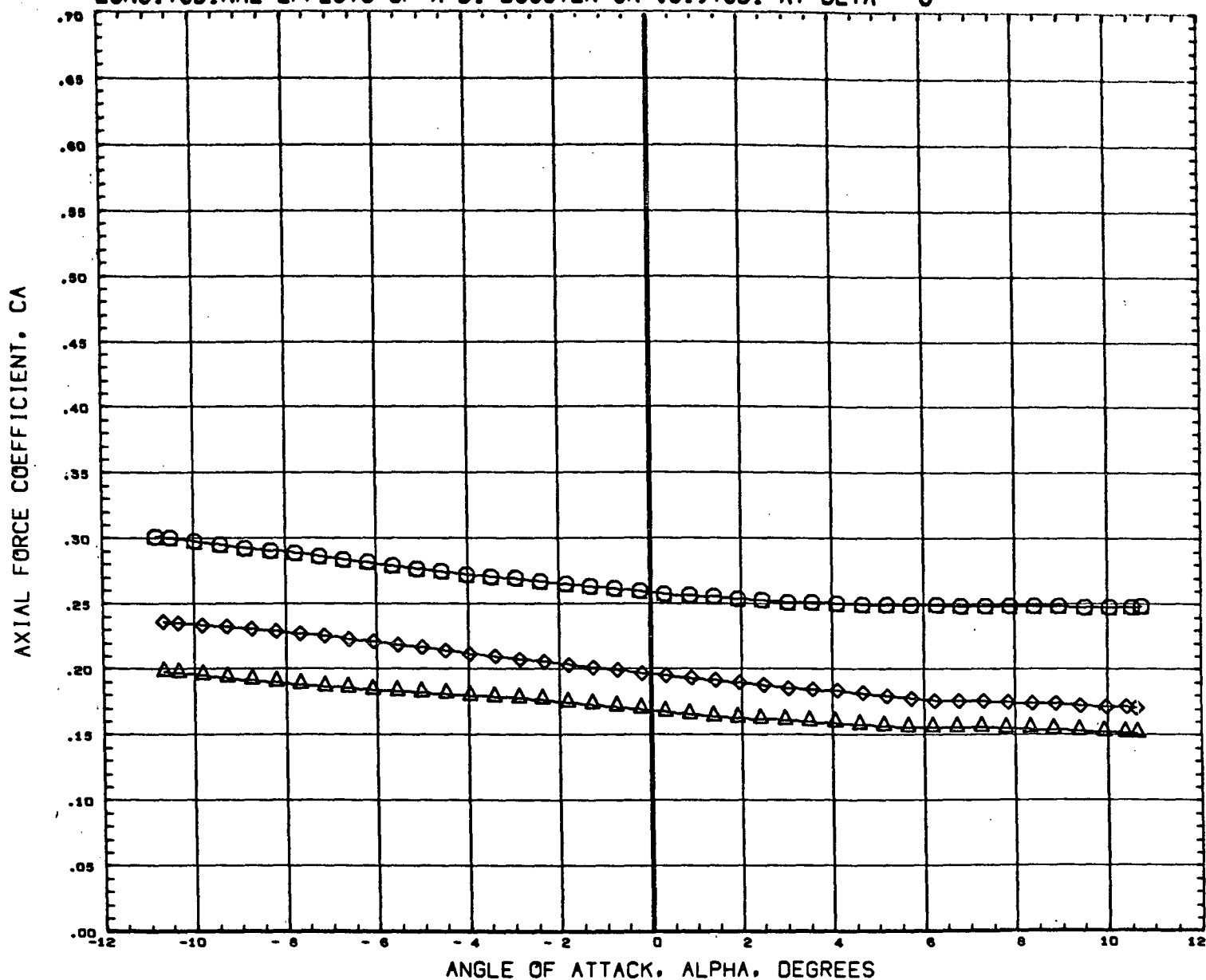


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

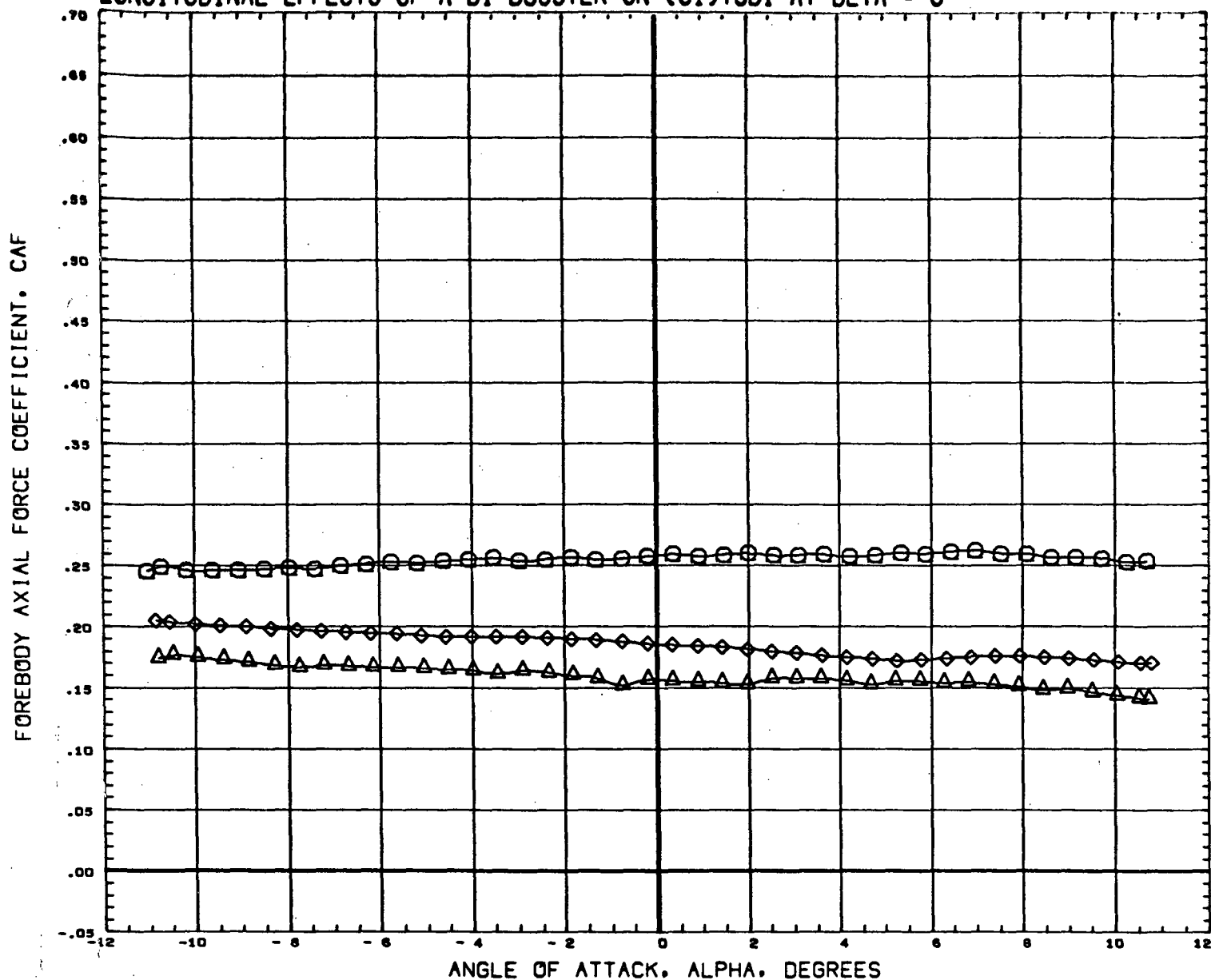
MACH

4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

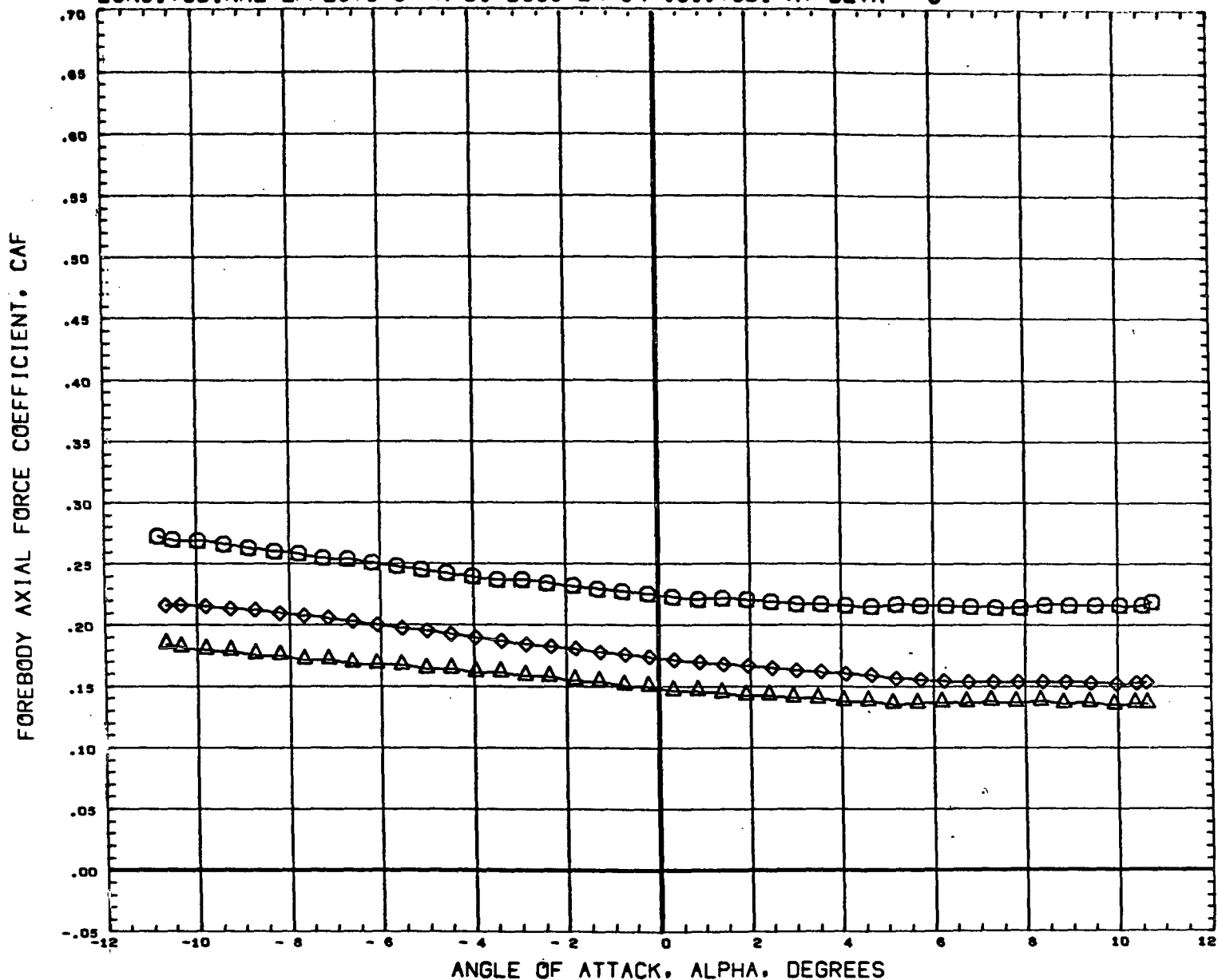


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

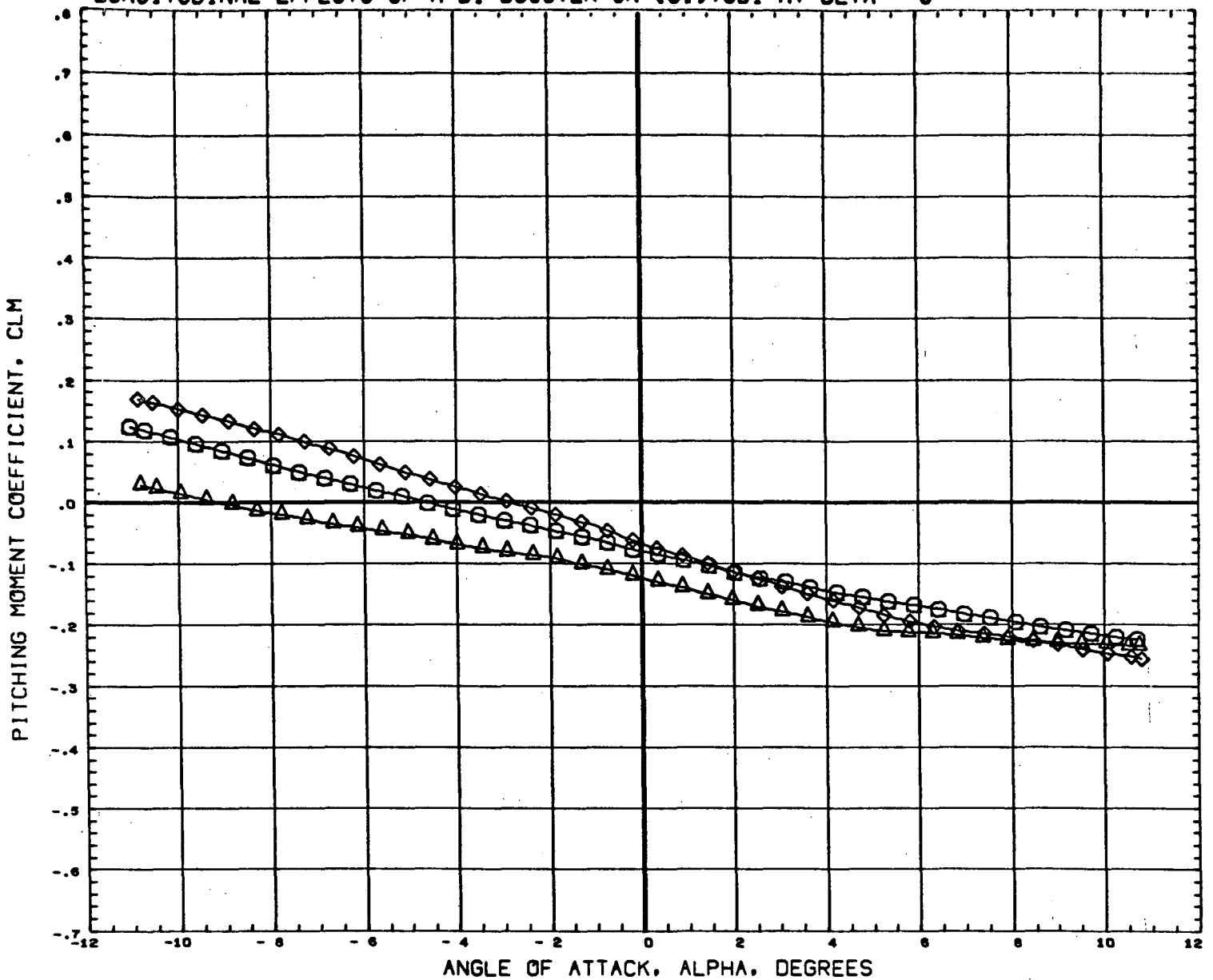


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1)T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH

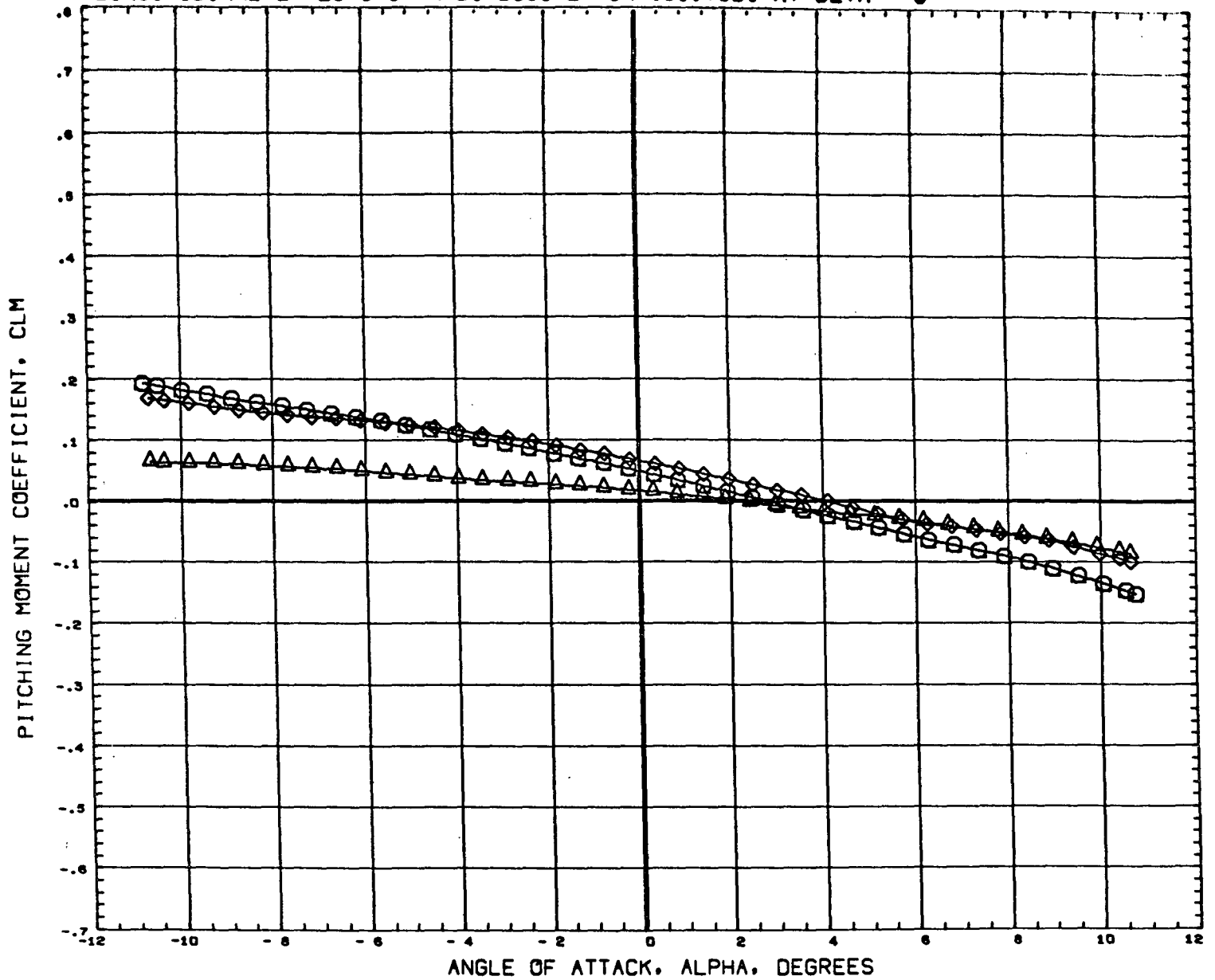
2.20

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C.3

LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

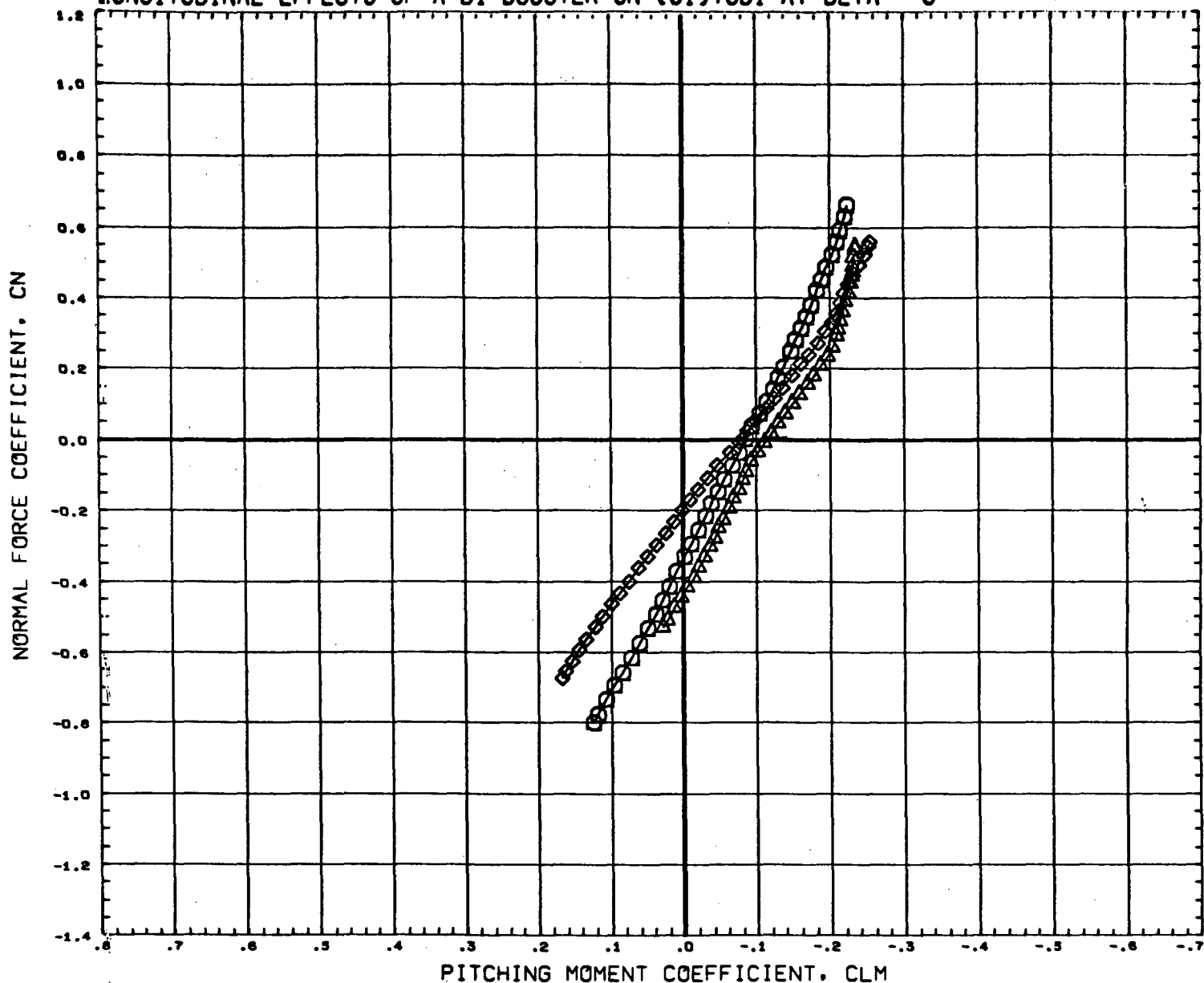


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1)T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 6

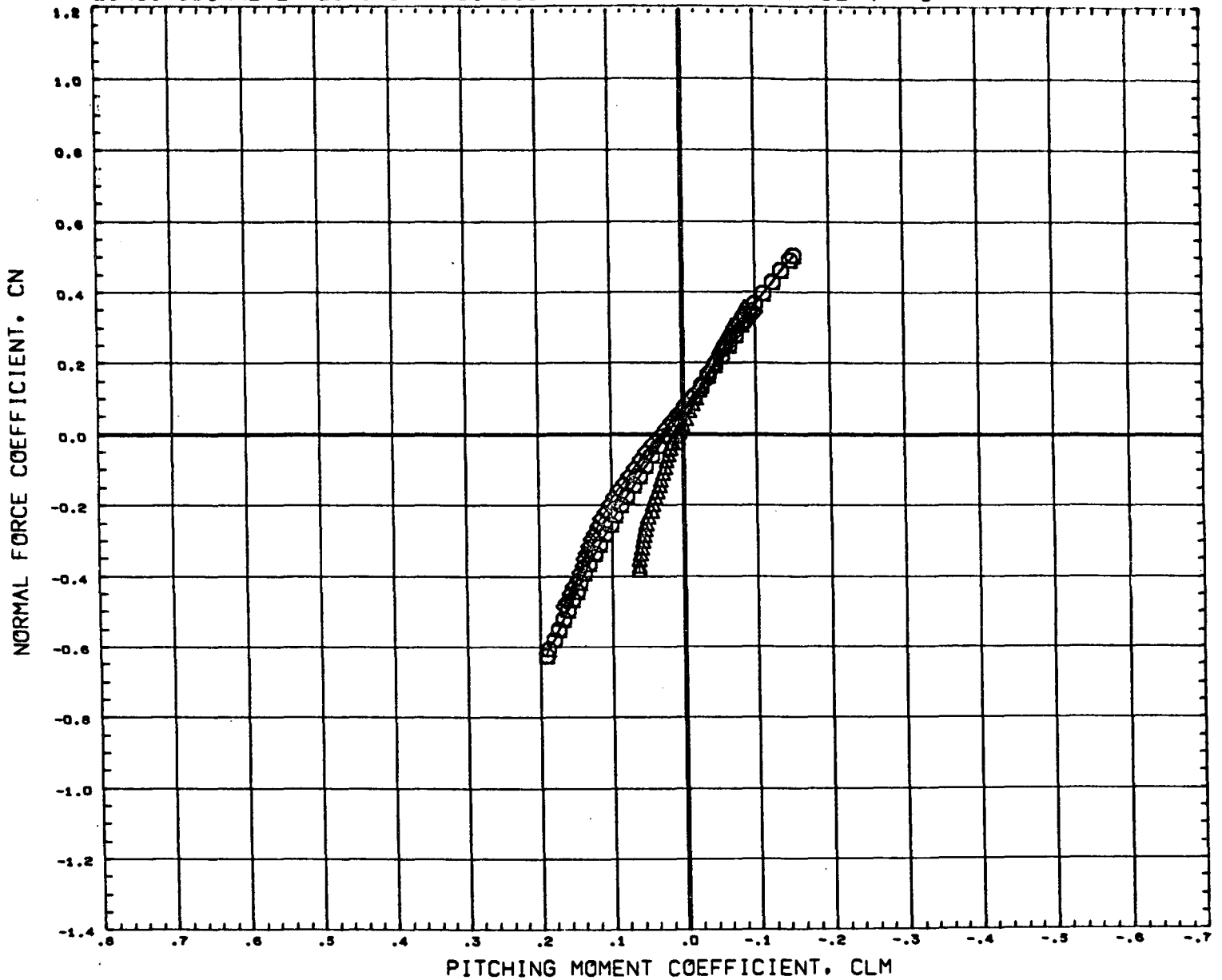


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (01) T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

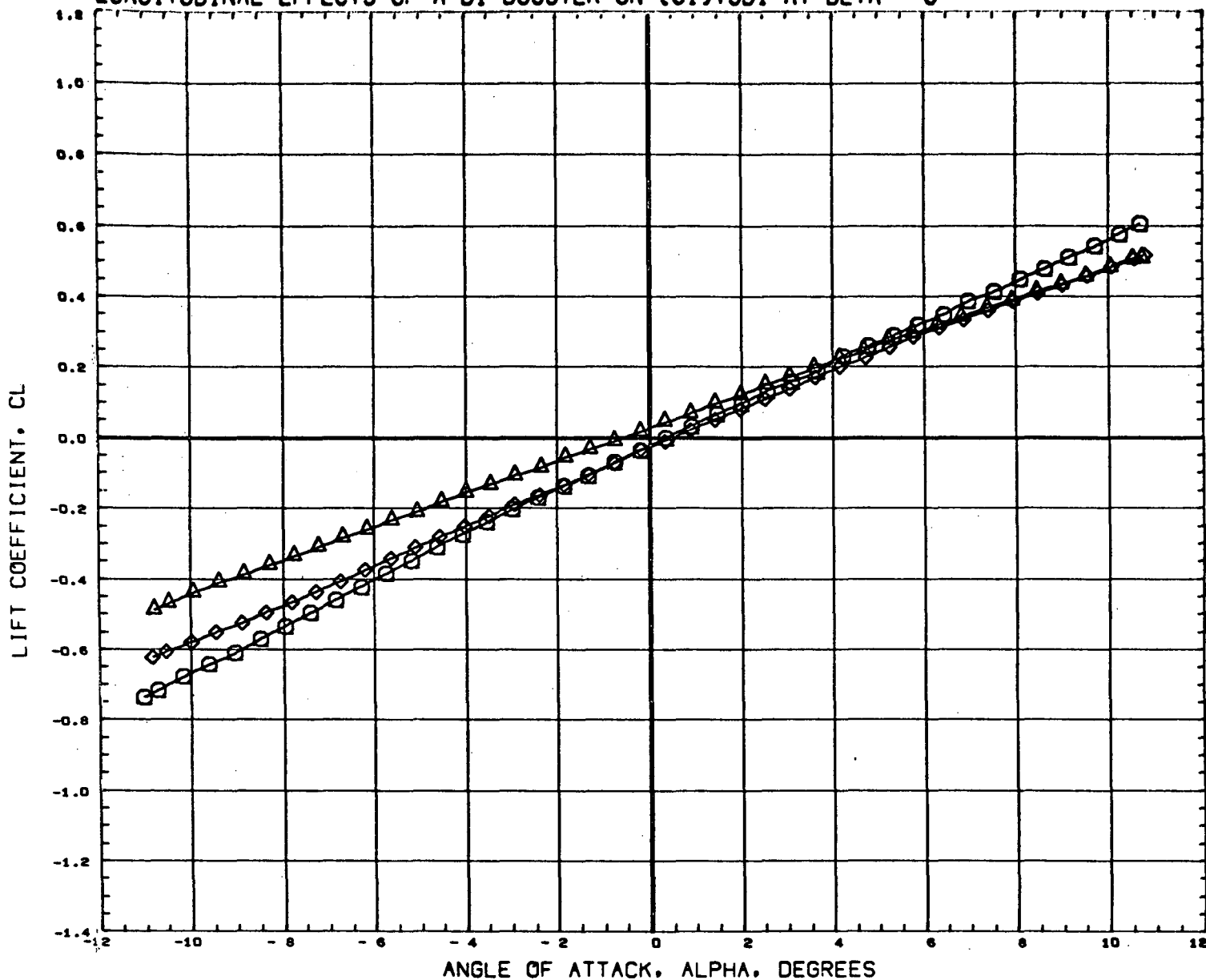


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7476)	MDAC S-222 COMPOSITE(T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE(T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.3004	IN.
(CD7480)	MDAC S-222 COMPOSITE(T-CG) (O1)T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRF	957.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

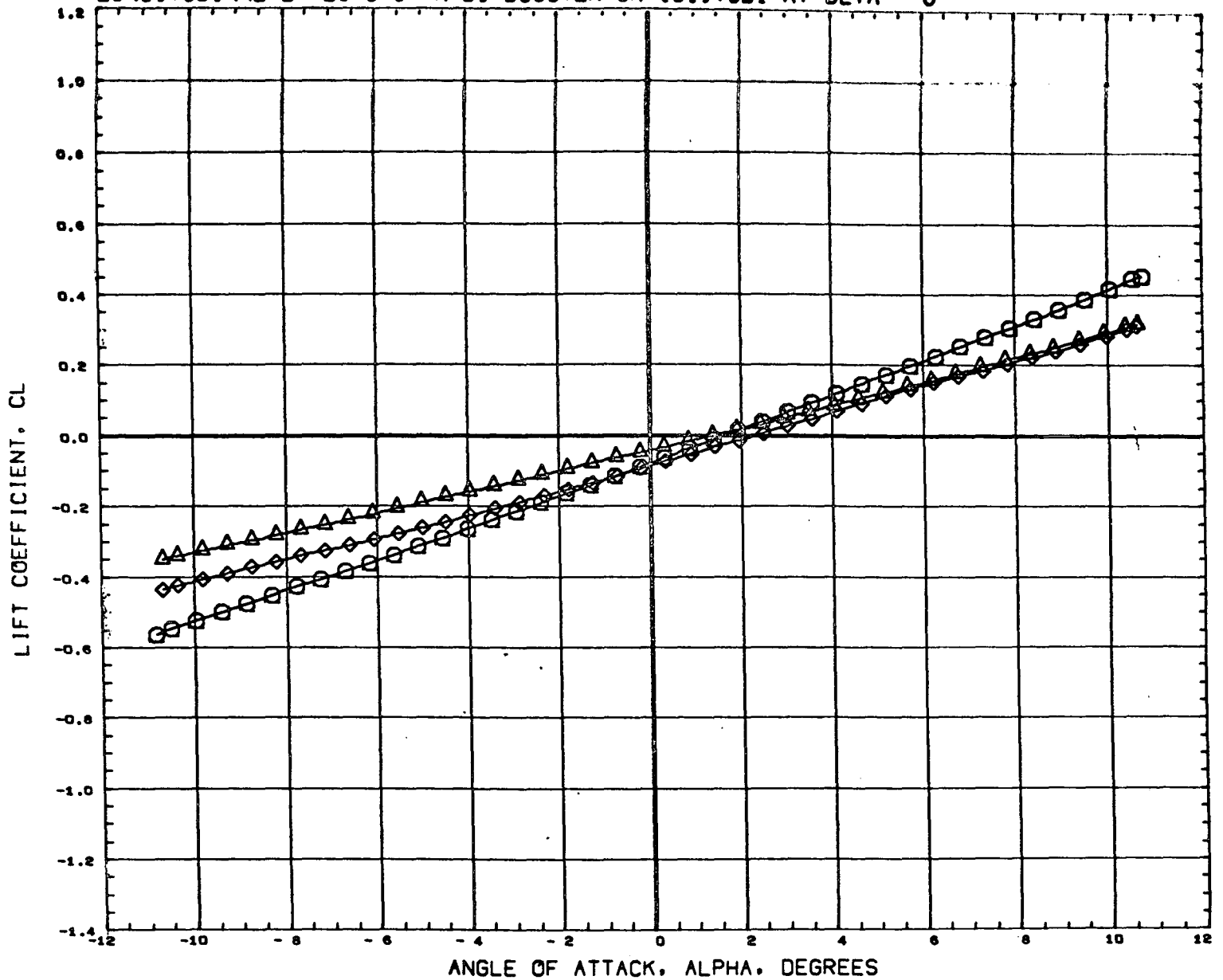


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1)T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6



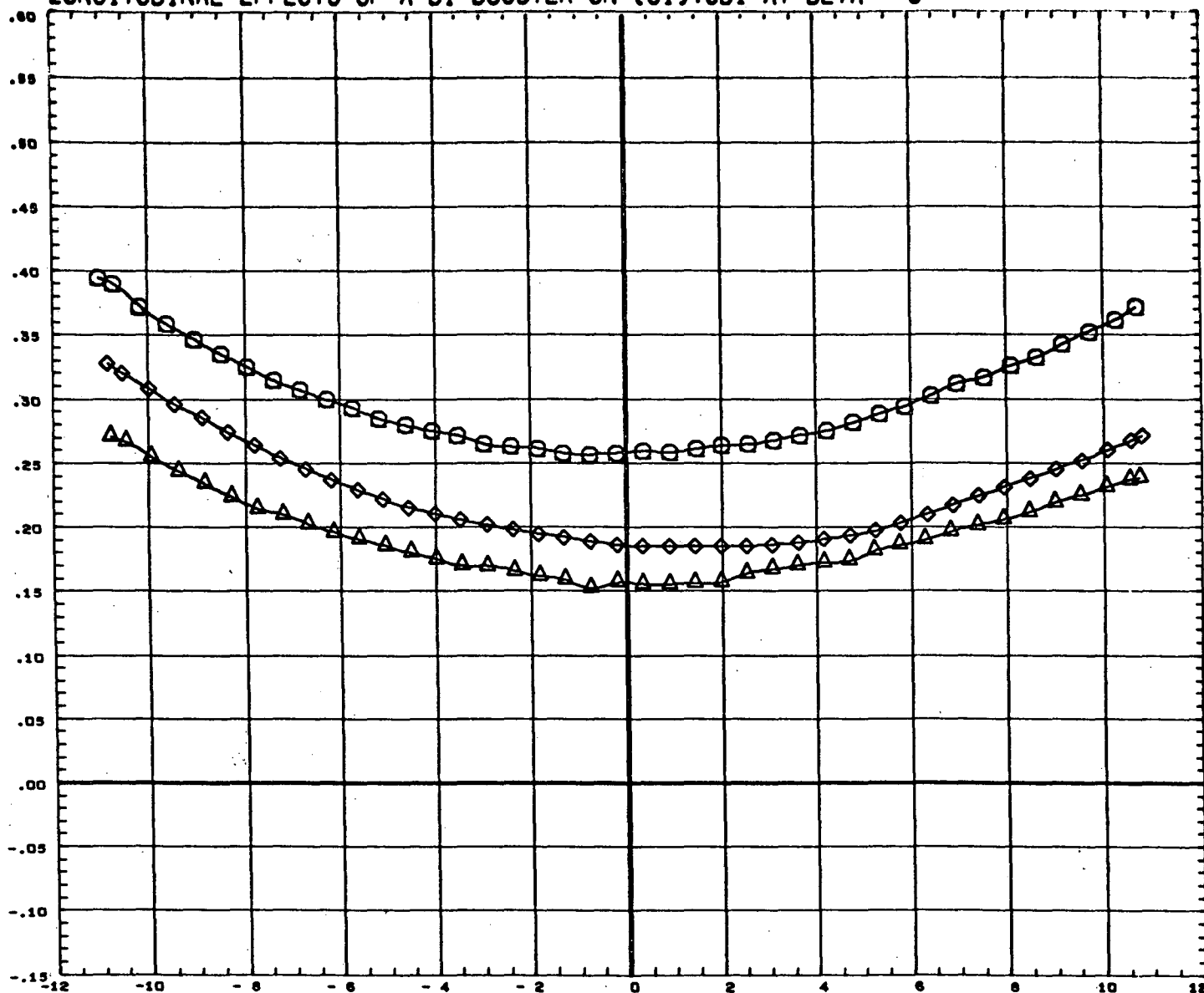
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1)T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



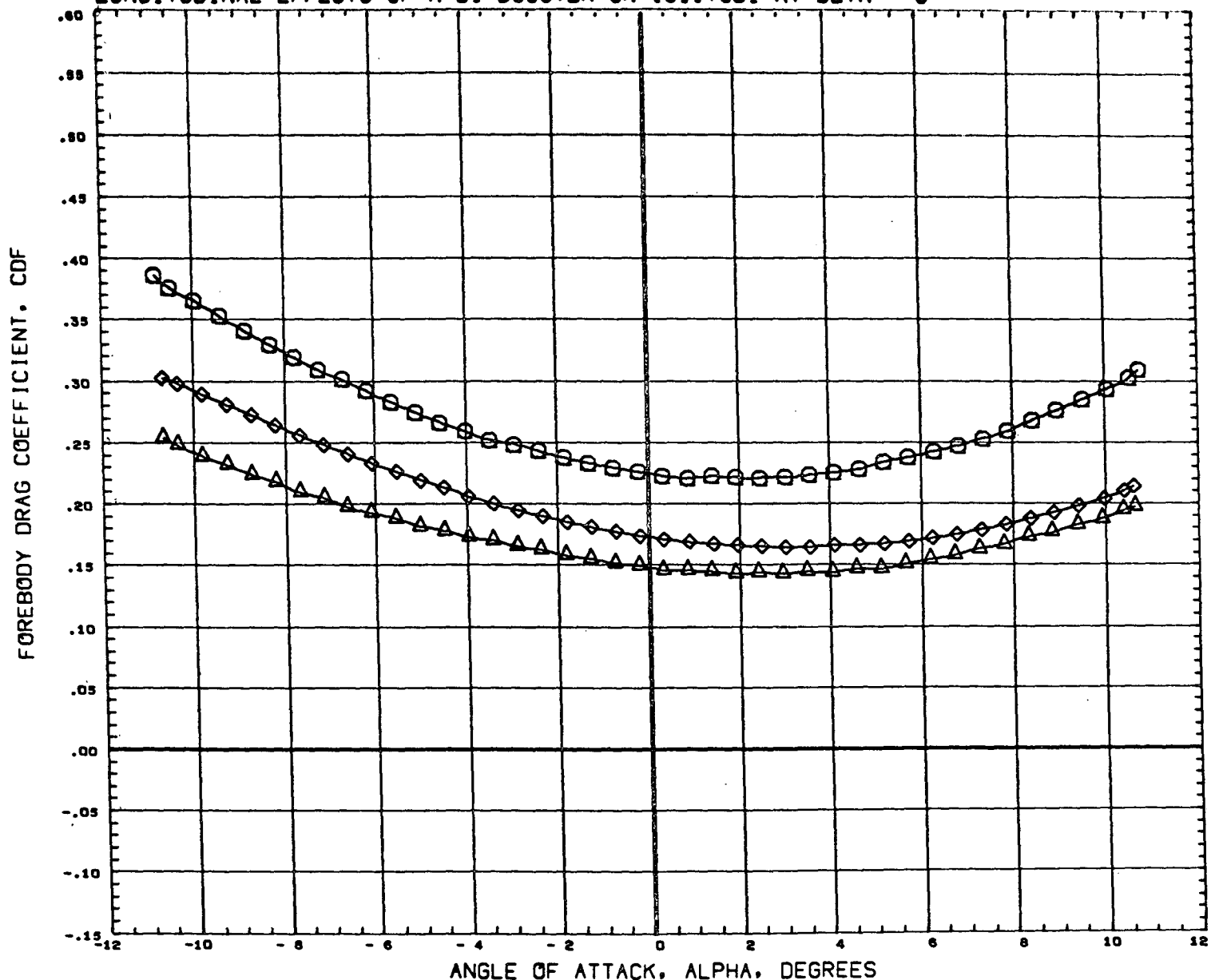
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6



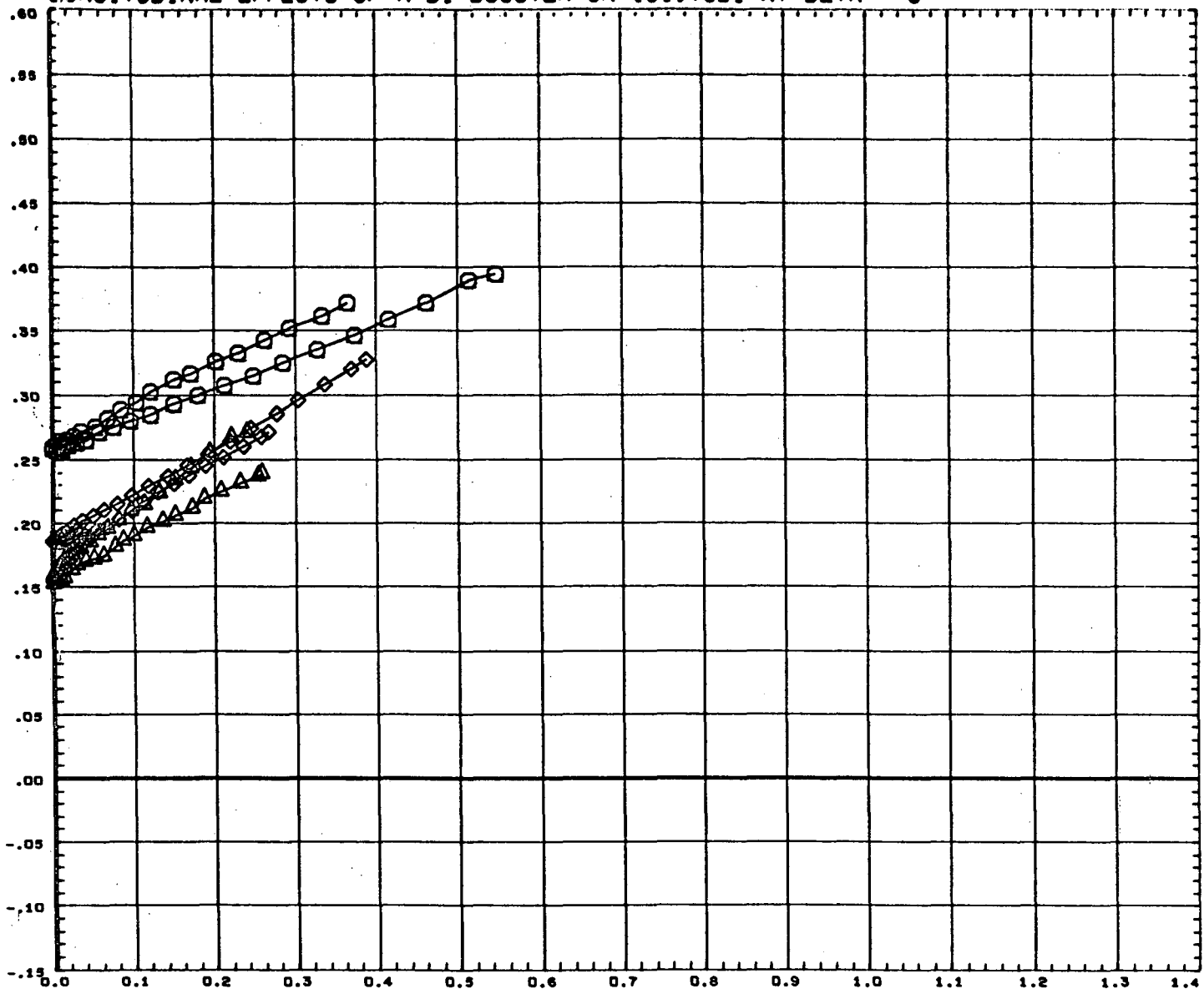
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1)T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



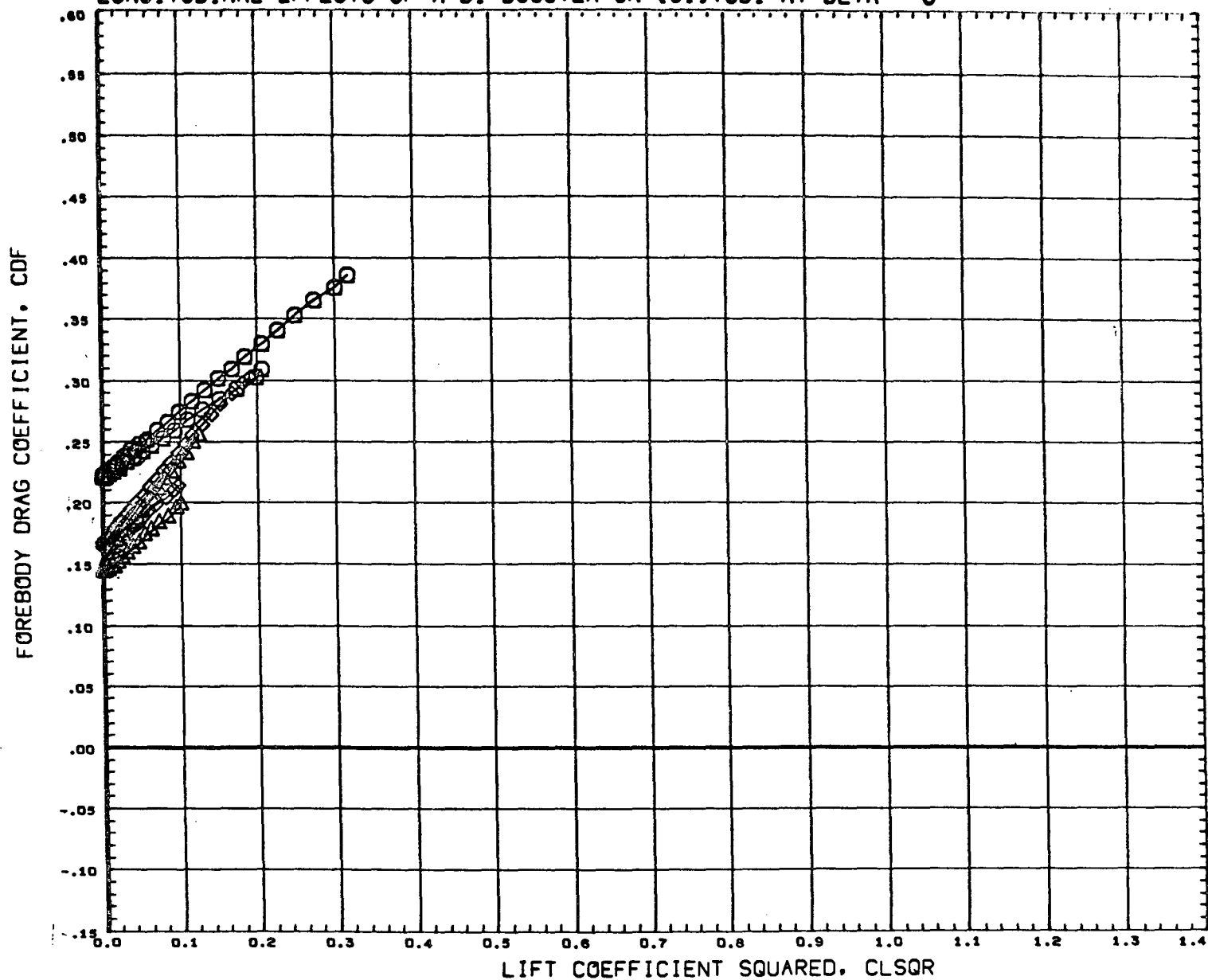
LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (01)T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

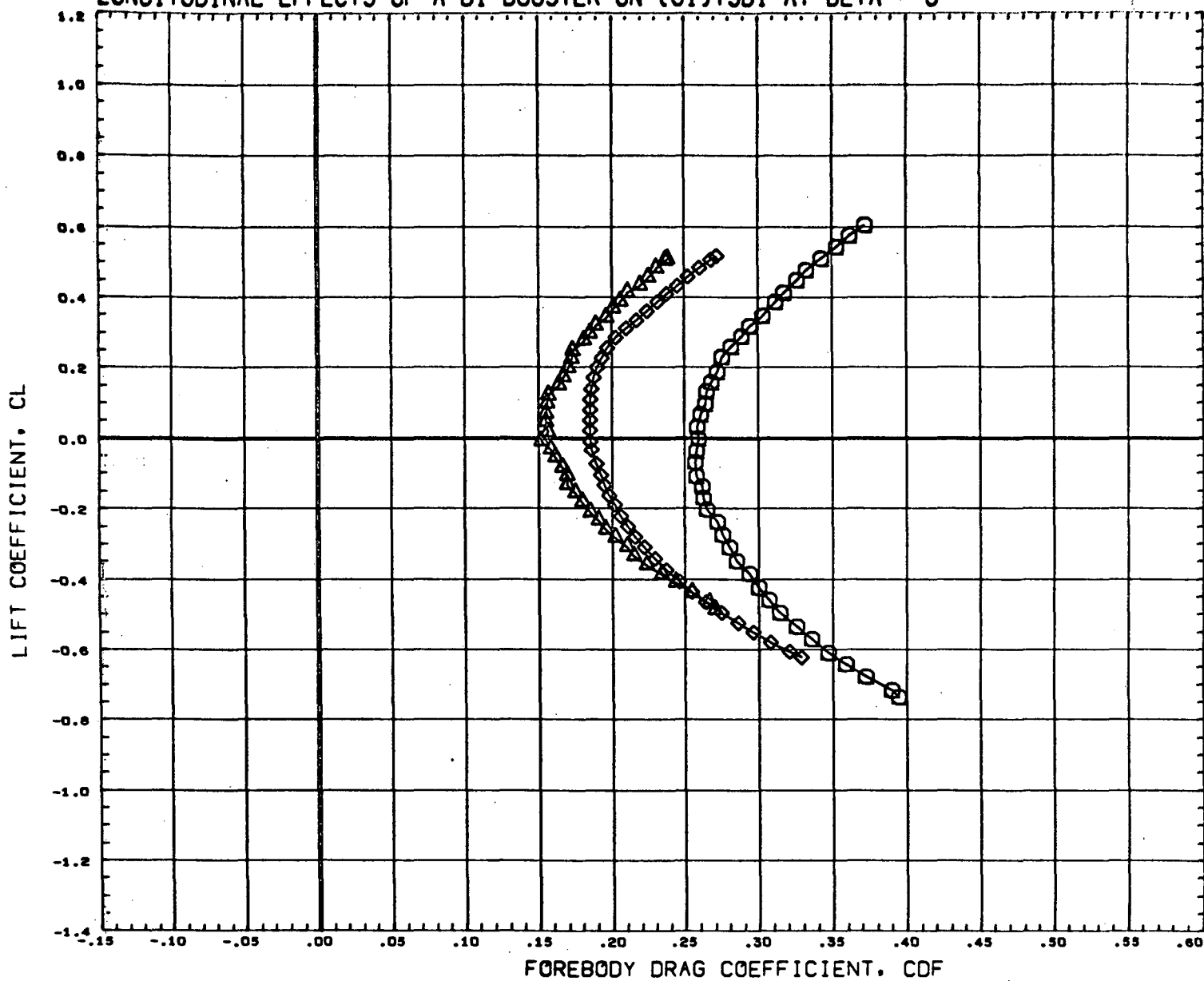
MACH

4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

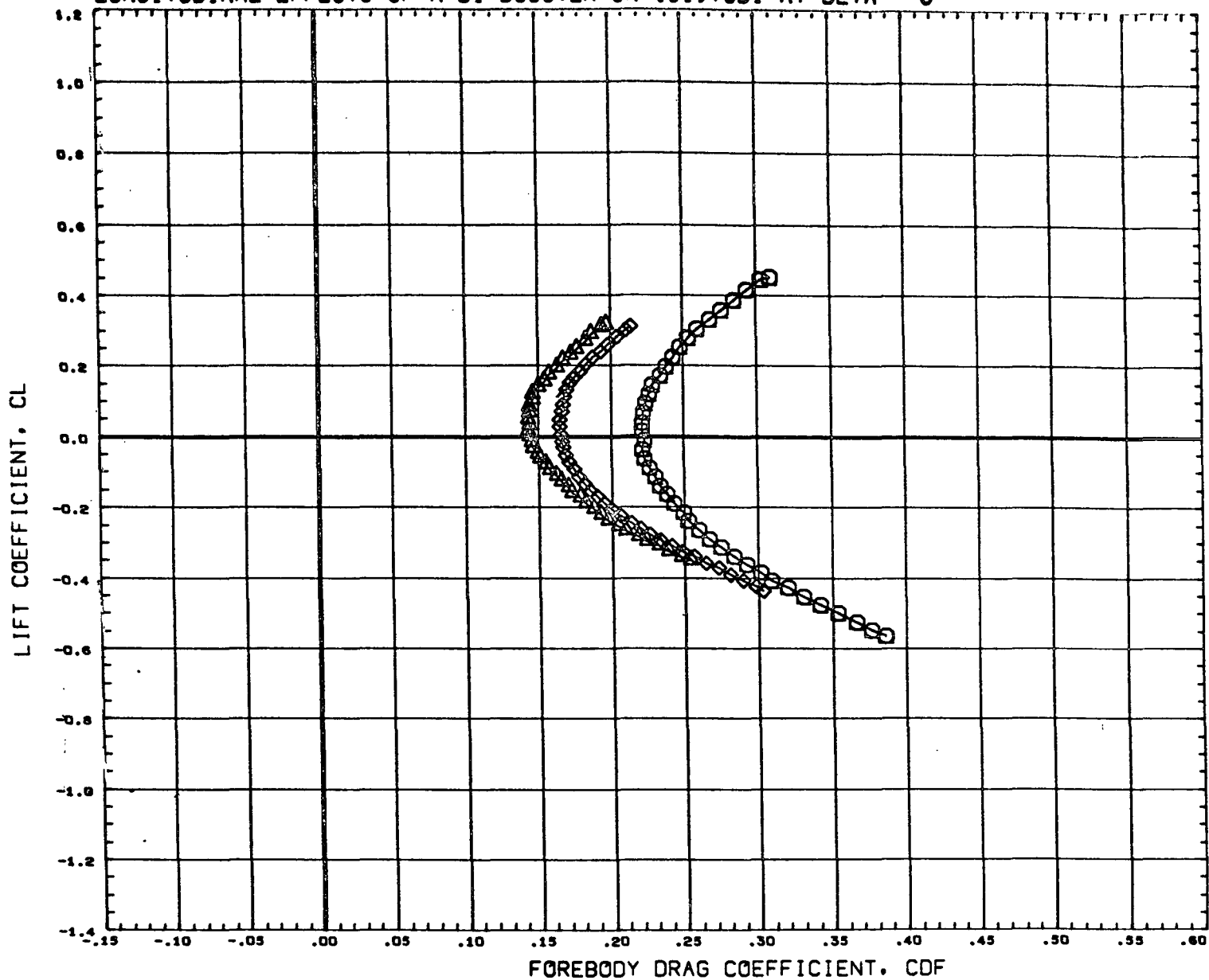


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 6

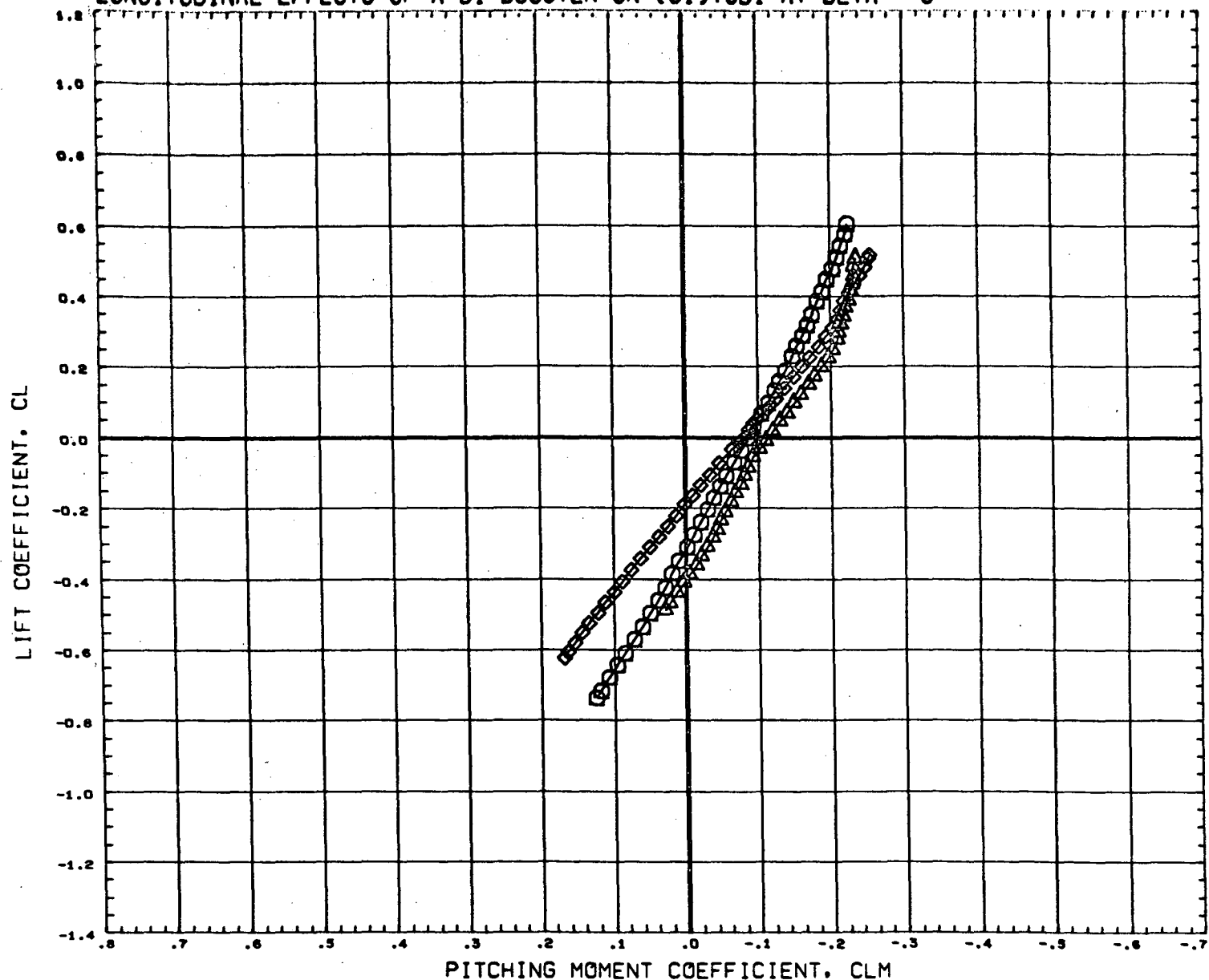


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (01)T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

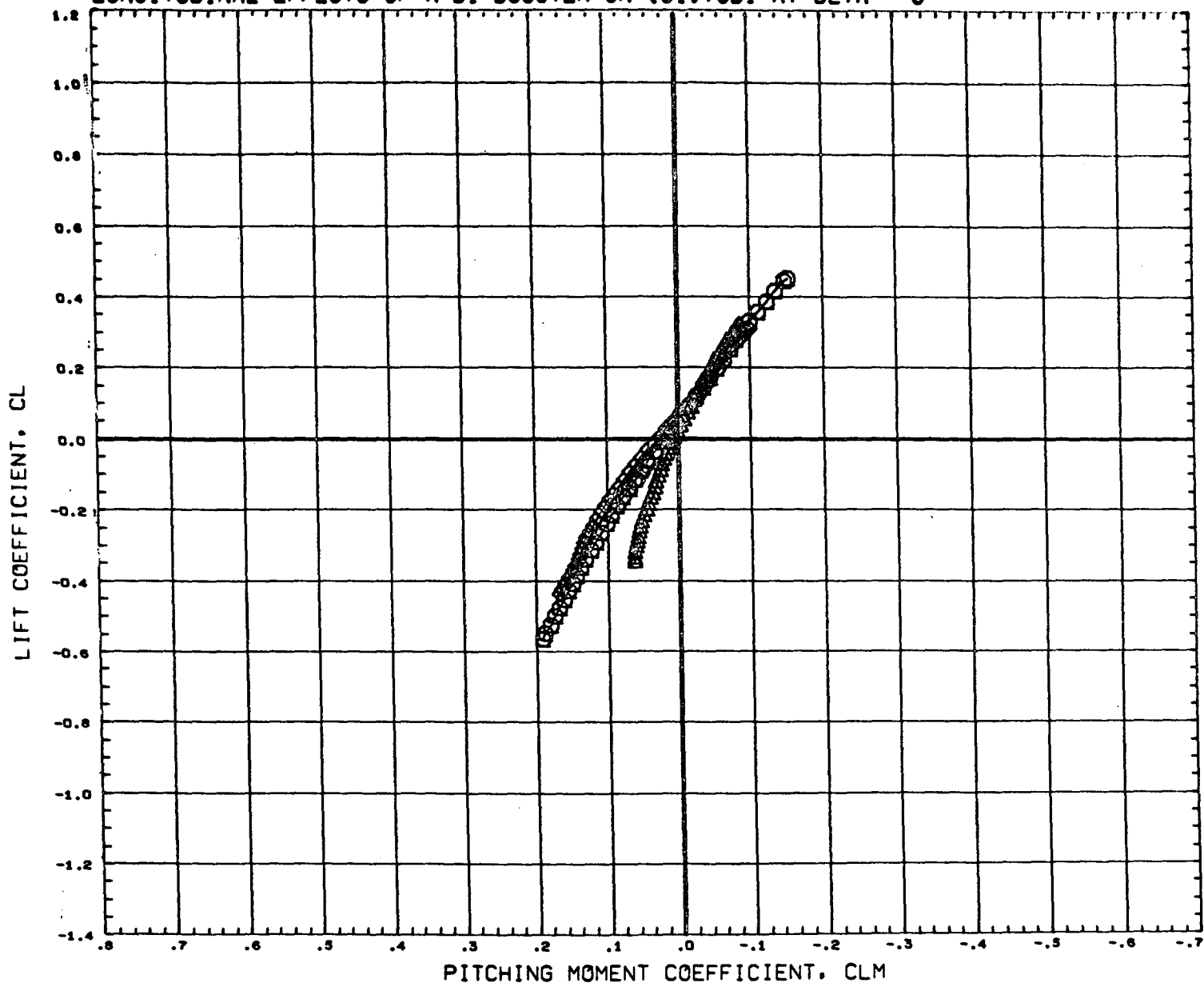


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

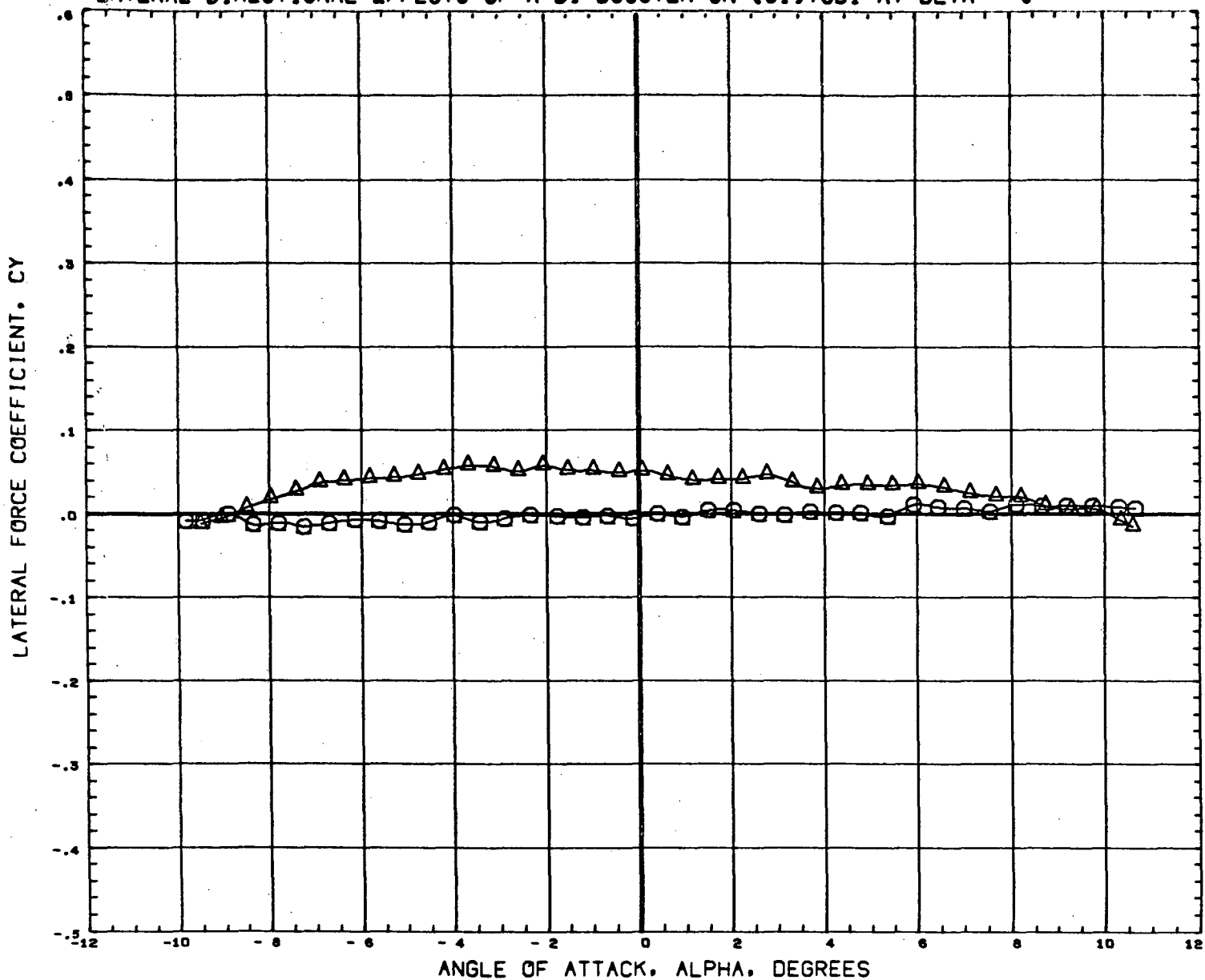


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

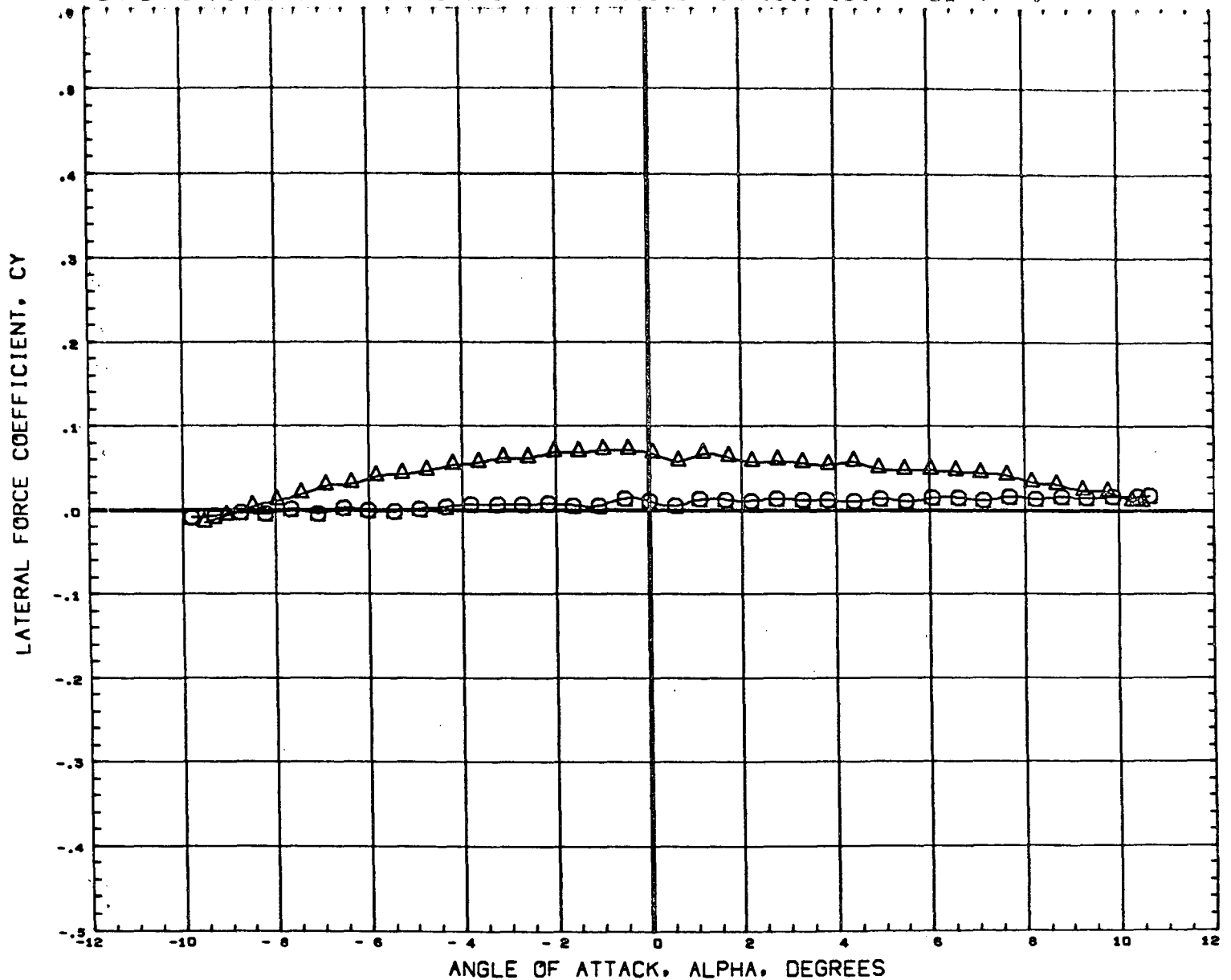


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

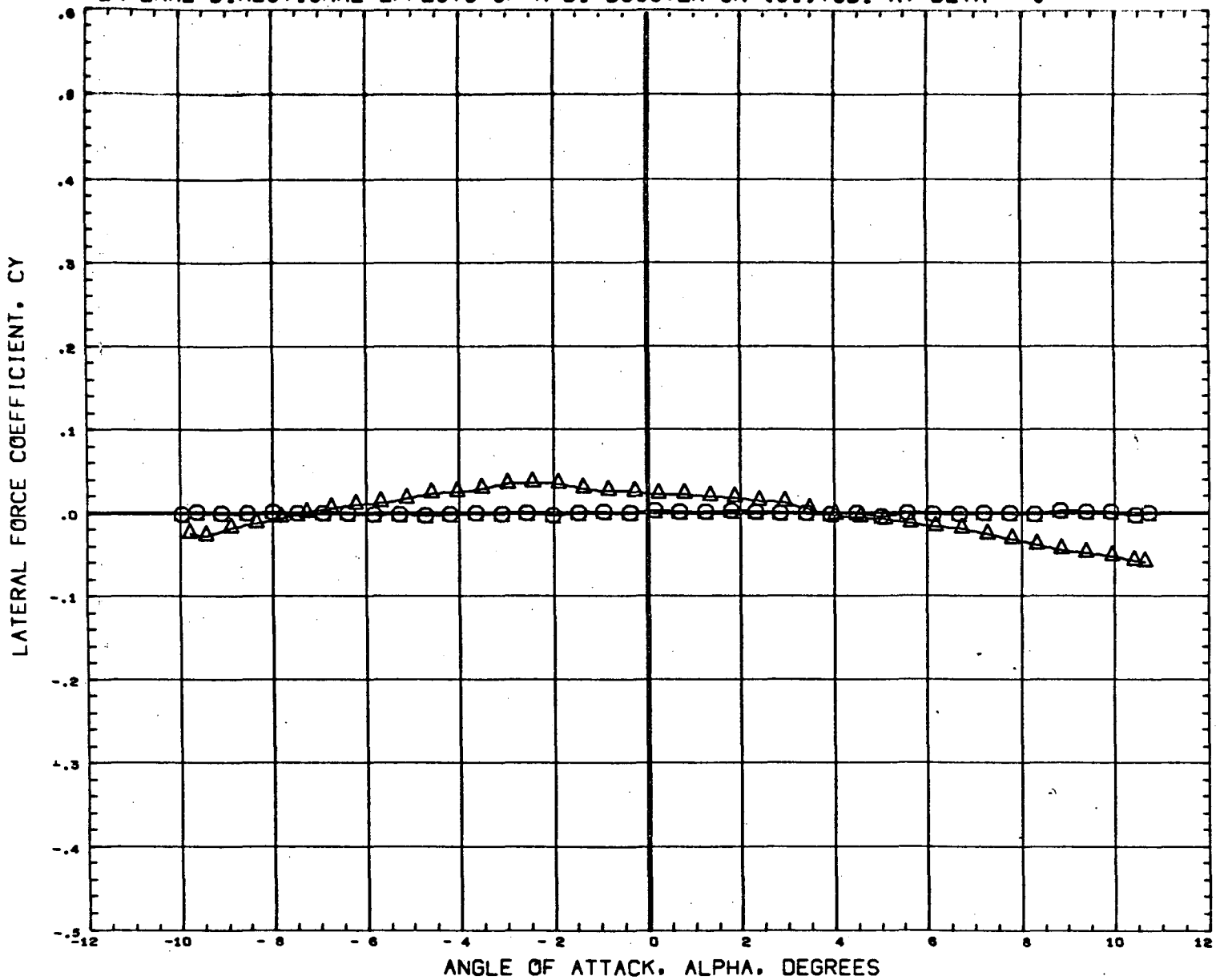


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7474)	MDAC S-222 COMPOSITE(T-CG) (O1) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7477)	MDAC S-222 COMPOSITE(T-CG) (O1) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0



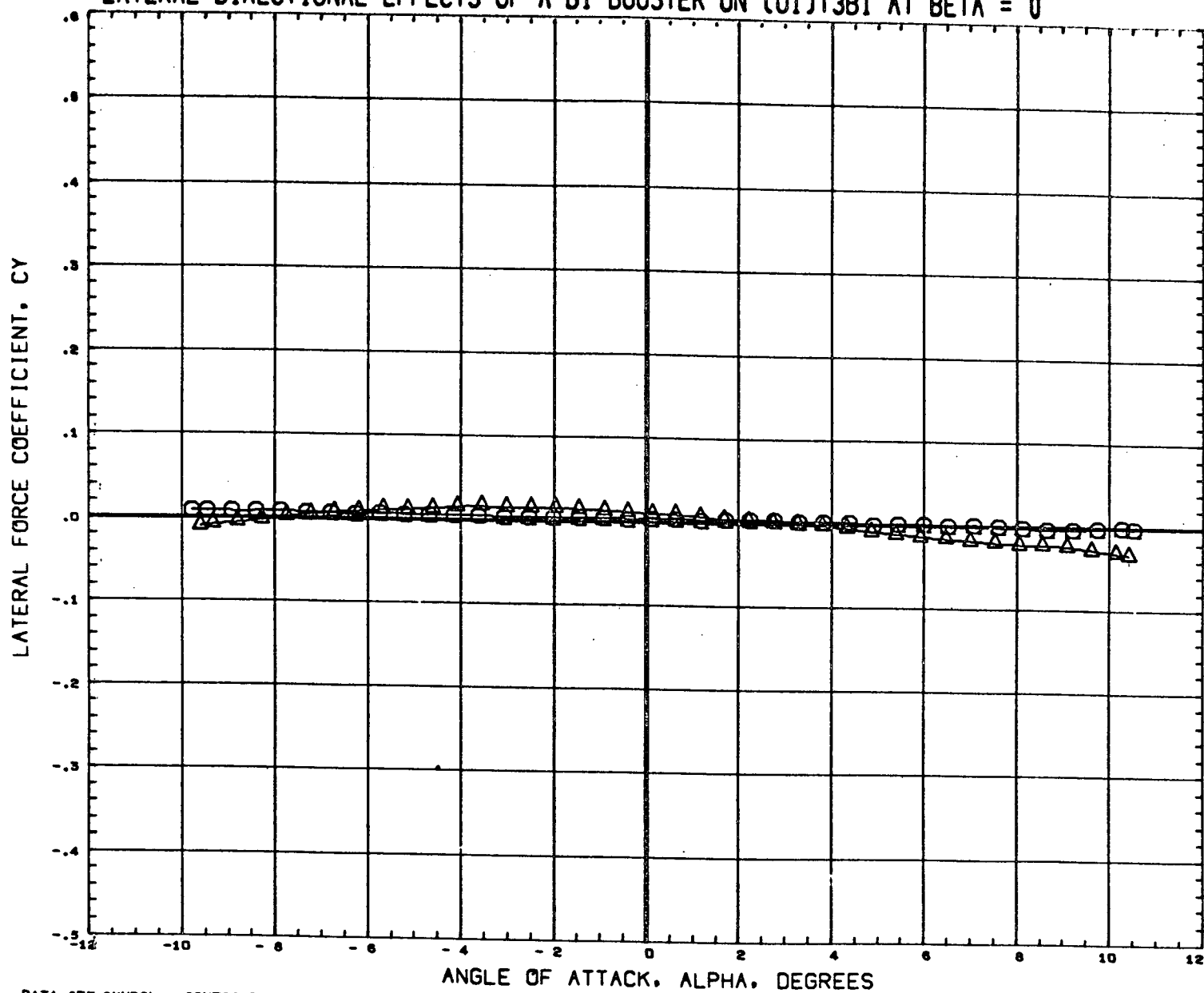
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ED7474) ○	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1
(RD7477) Δ	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

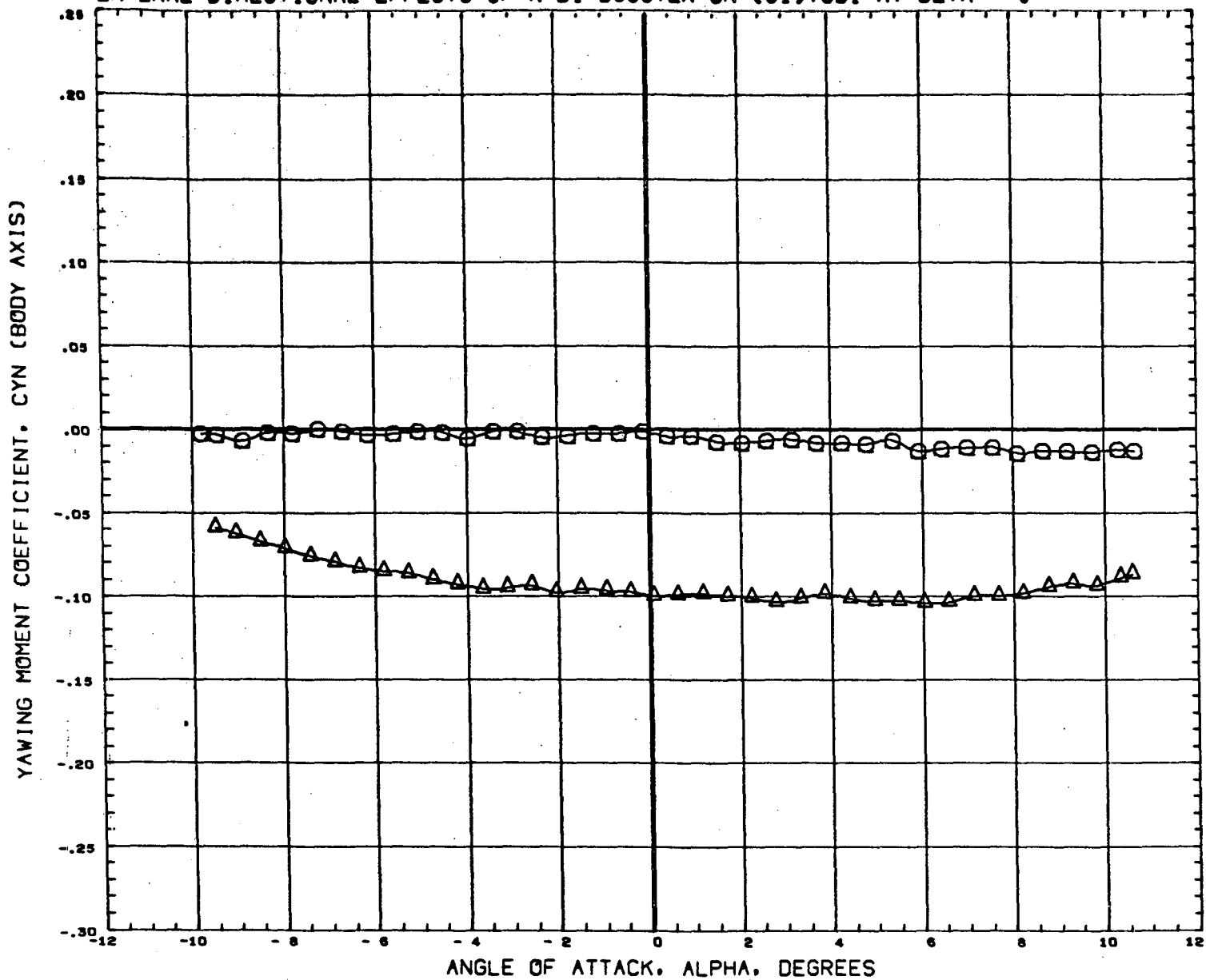


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ED7474) MDAC S-222 COMPOSITE (T-CG) (O1)T3B1
 (RD7477) MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

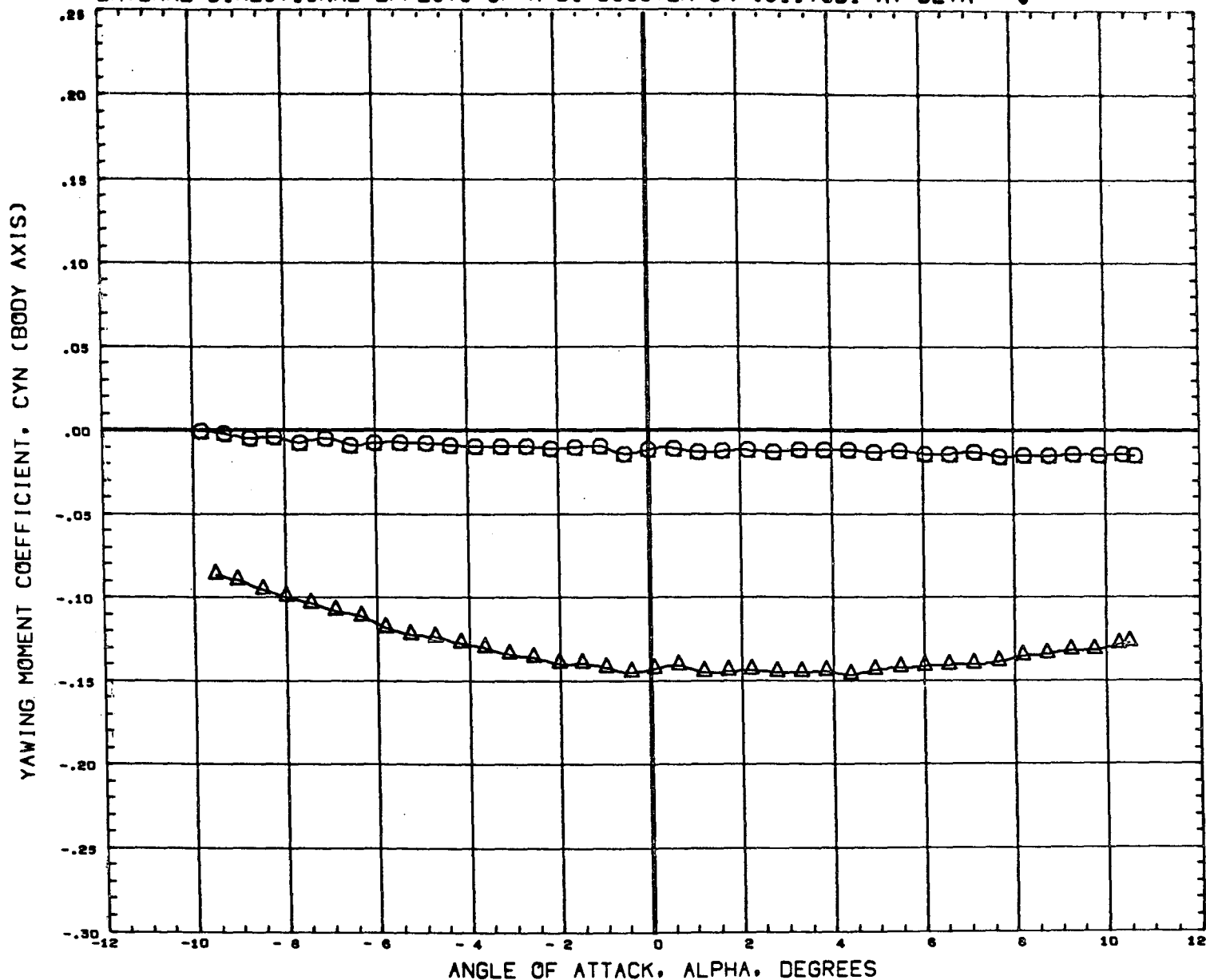


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

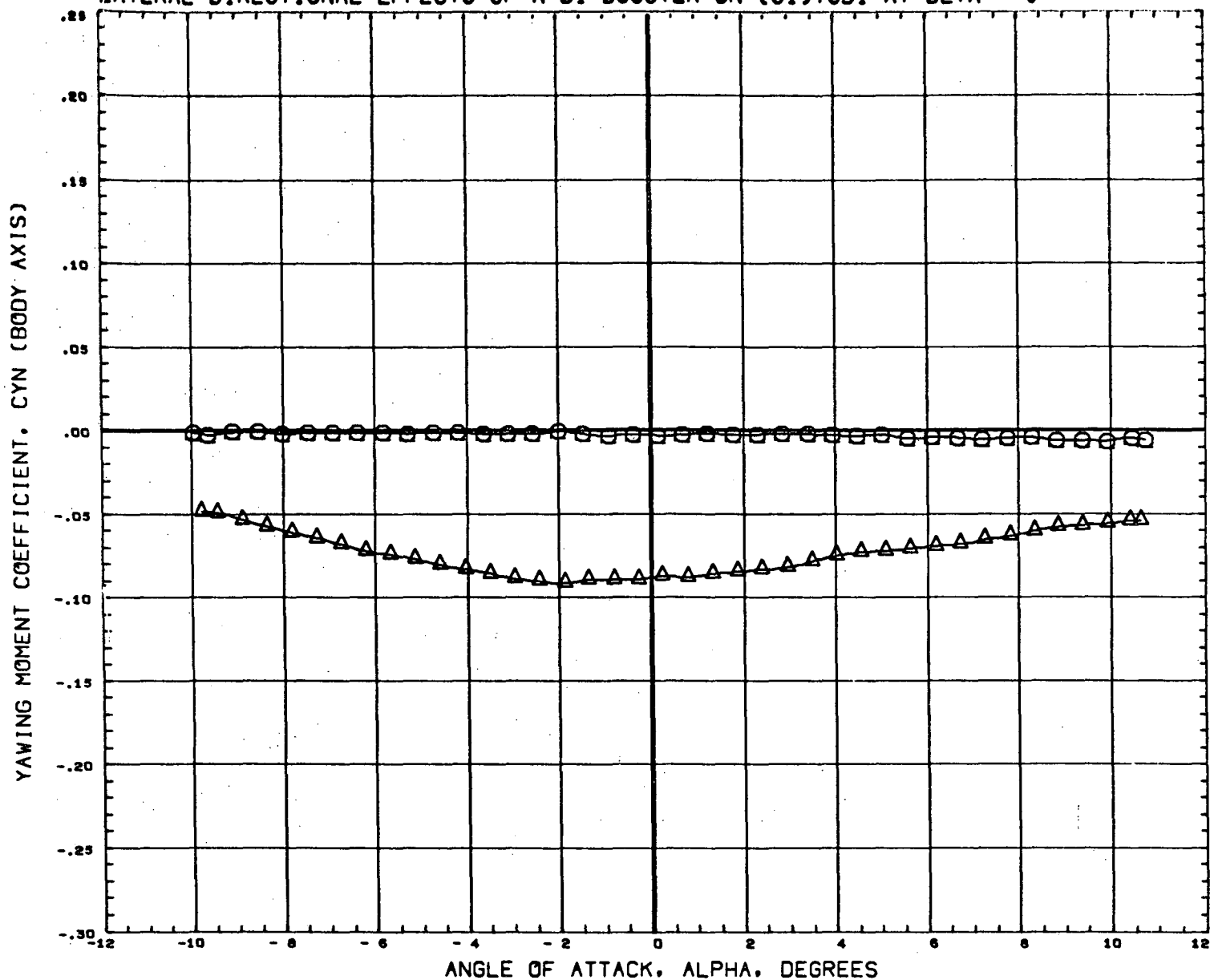


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7474)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7477)	MDAC S-222 COMPOSITE (T-CG) (01) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



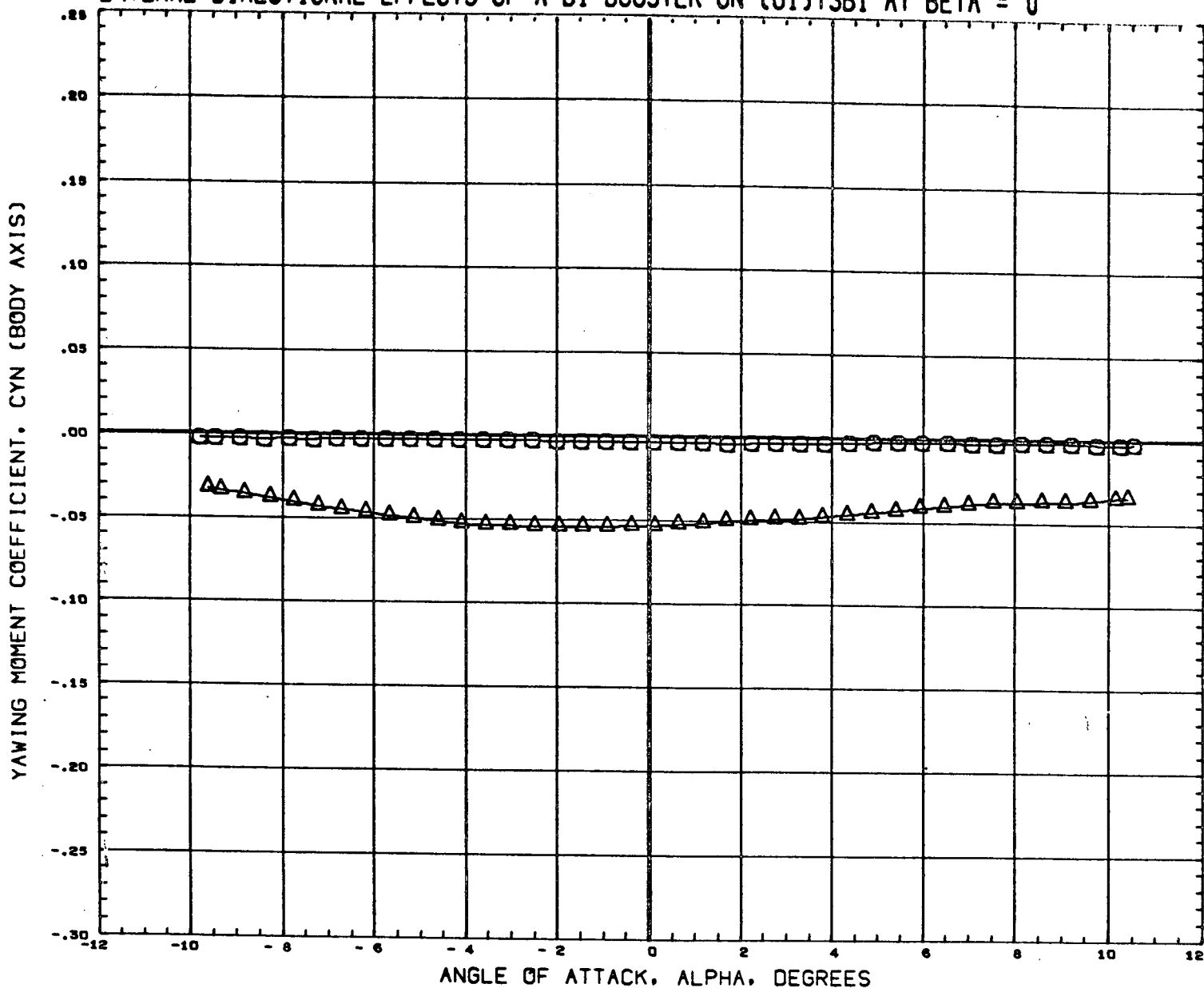
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ED7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1
(RD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ED7474) Q MDAC S-222 COMPOSITE (T-CG) (01) T3B1
 (RD7477) Q MDAC S-222 COMPOSITE (T-CG) (01) T3B1L (B1R)

BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

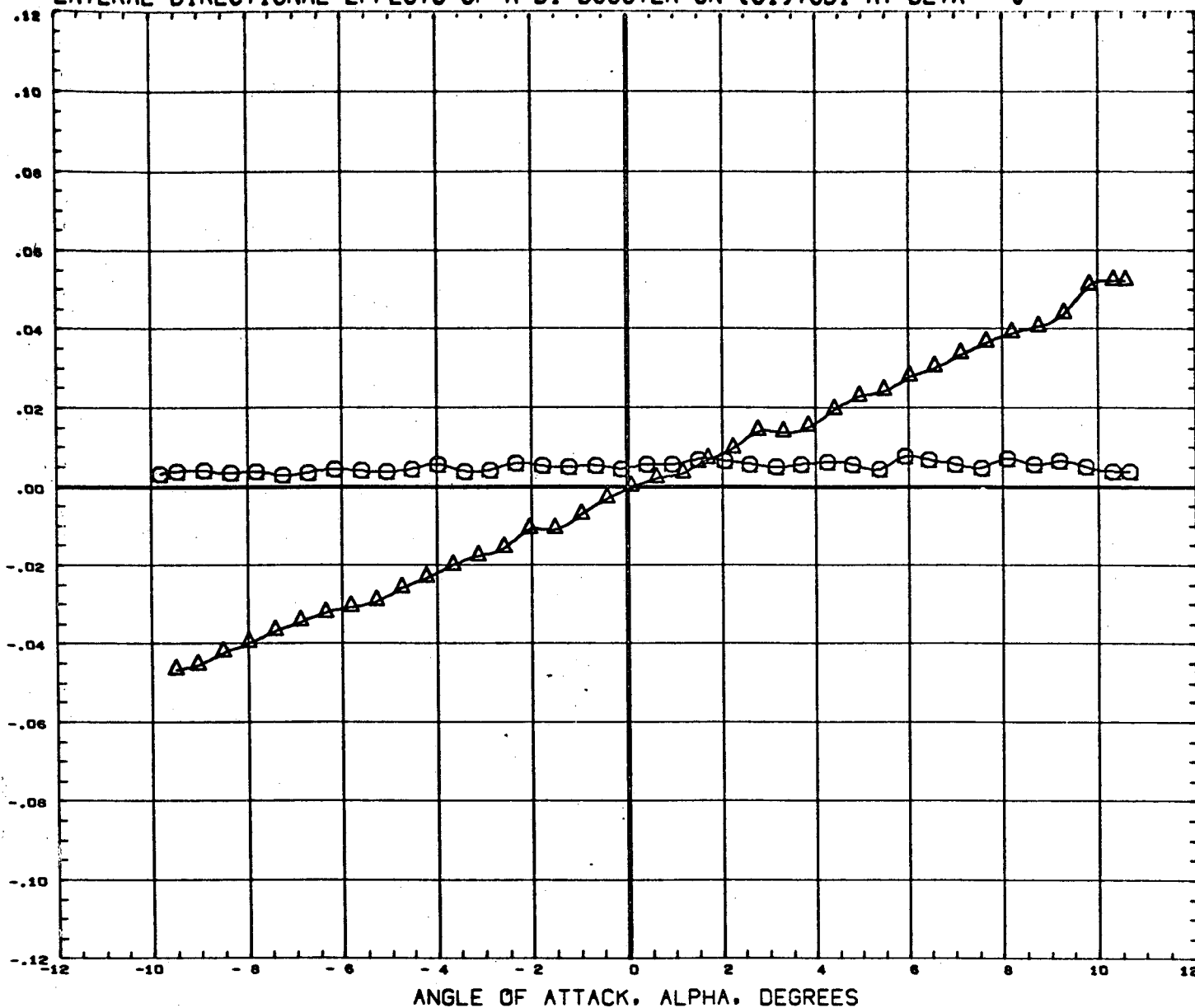
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

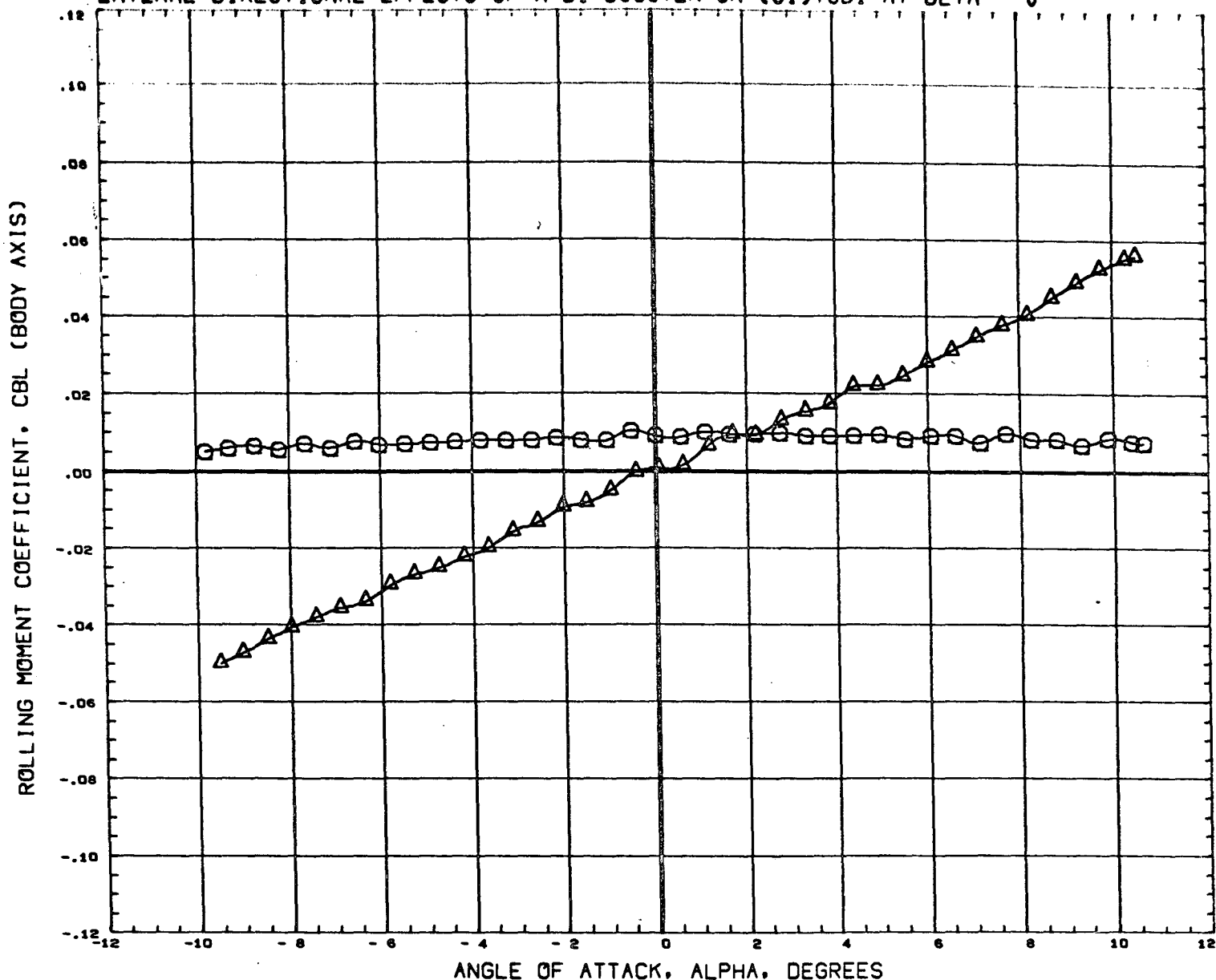
(ED7474) MDAC S-222 COMPOSITE (T-CG) (01)T3B1
(RD7477) MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				YMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 0



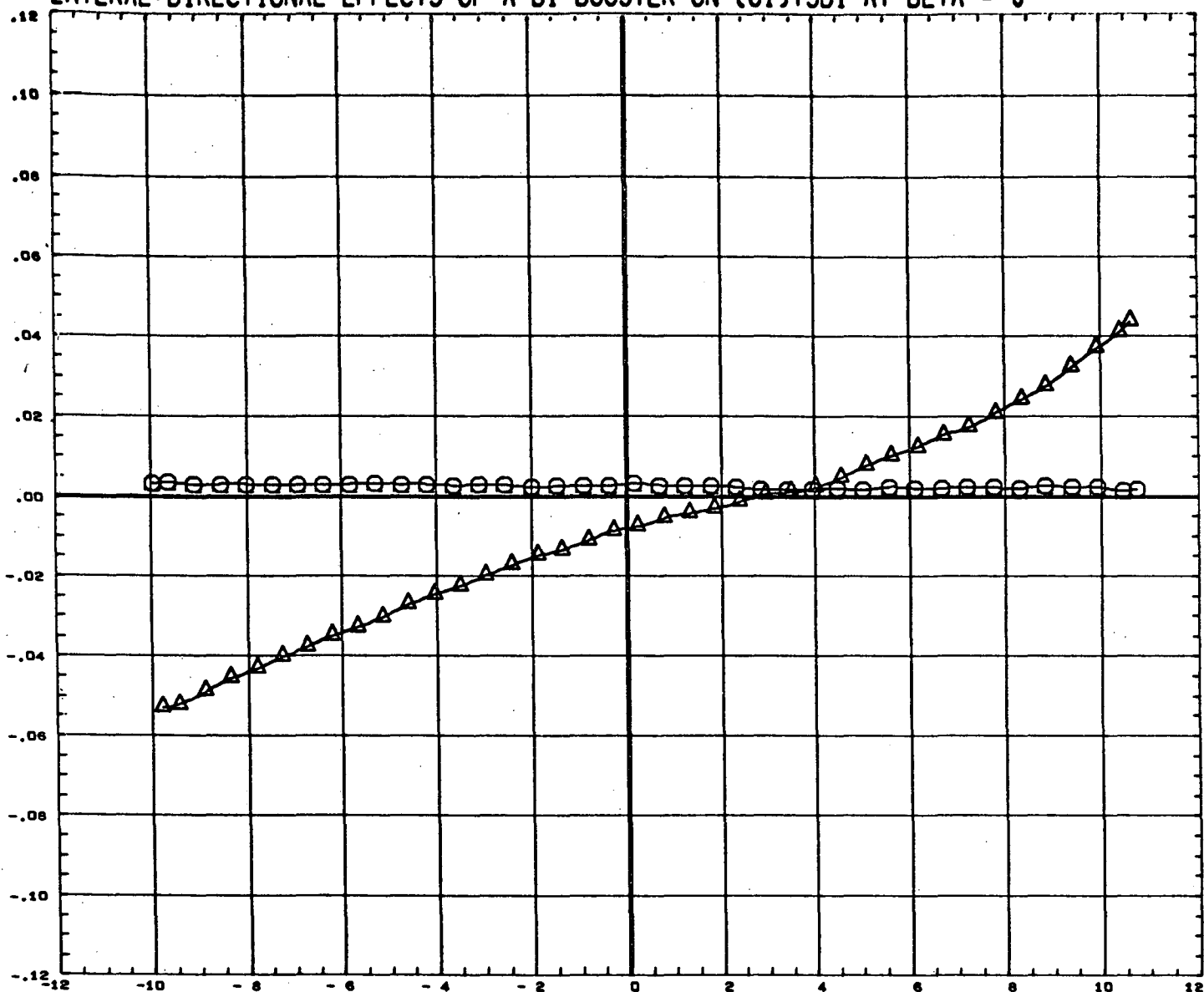
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7474)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7477)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



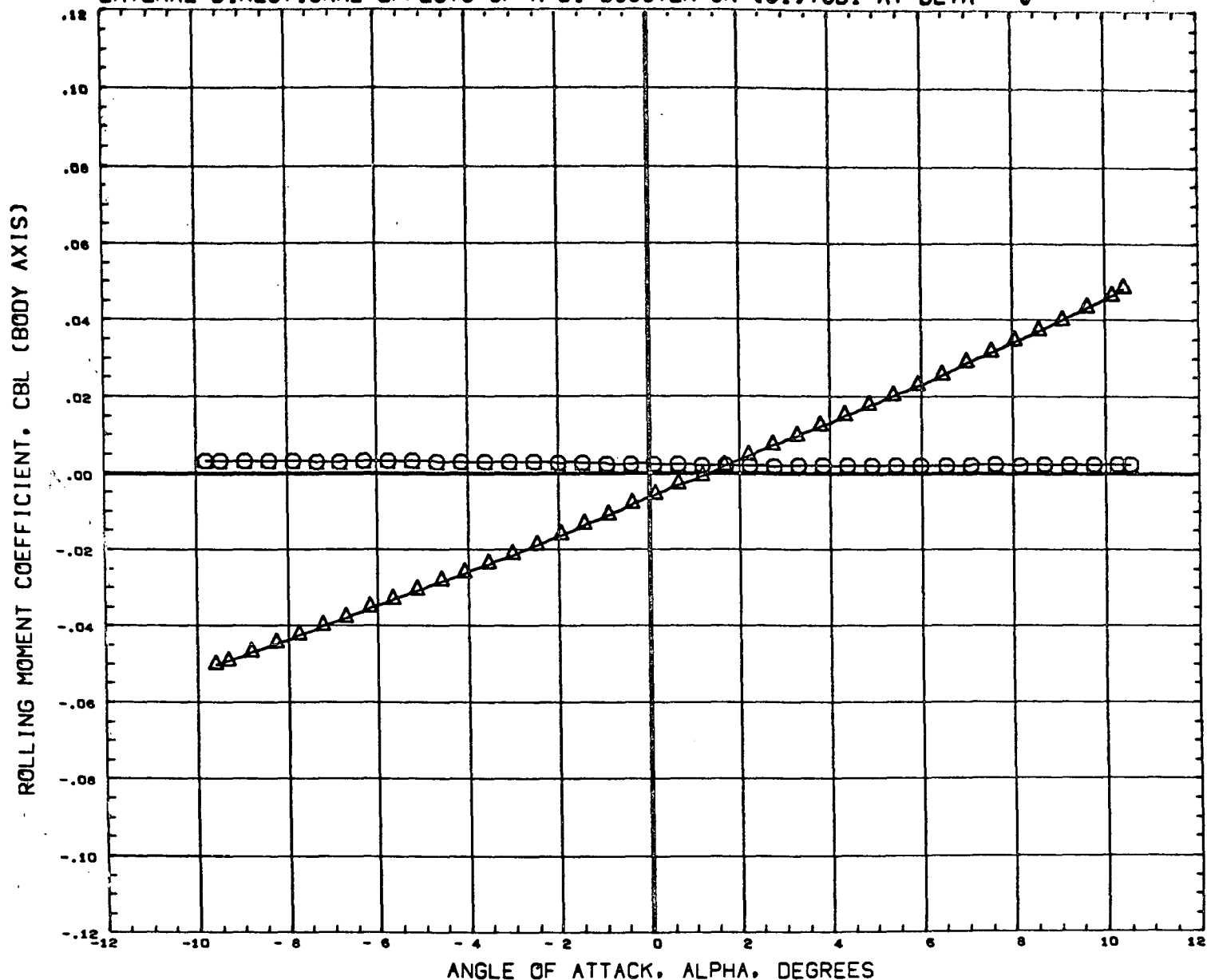
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7474)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7477)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 0

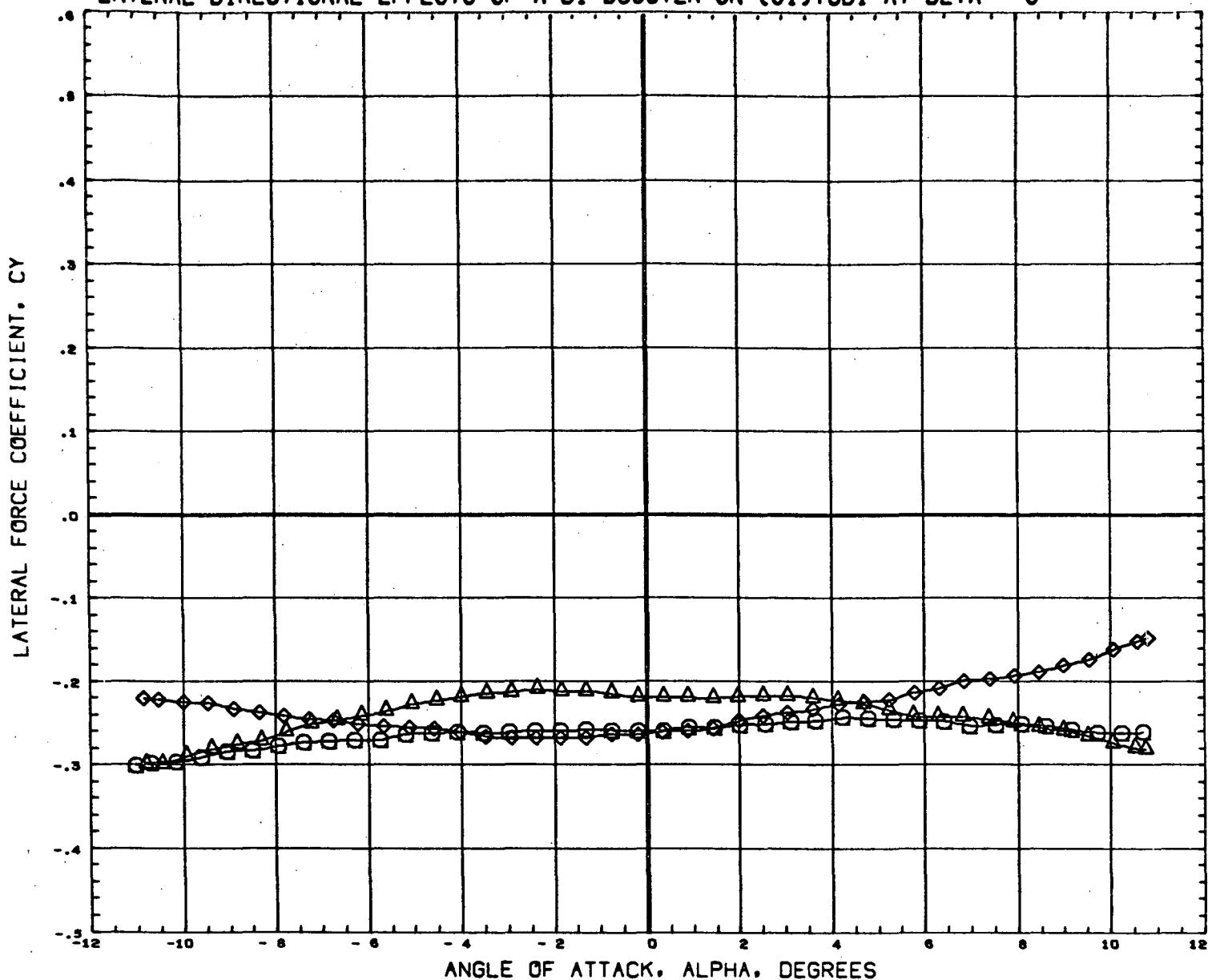


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7474)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7477)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

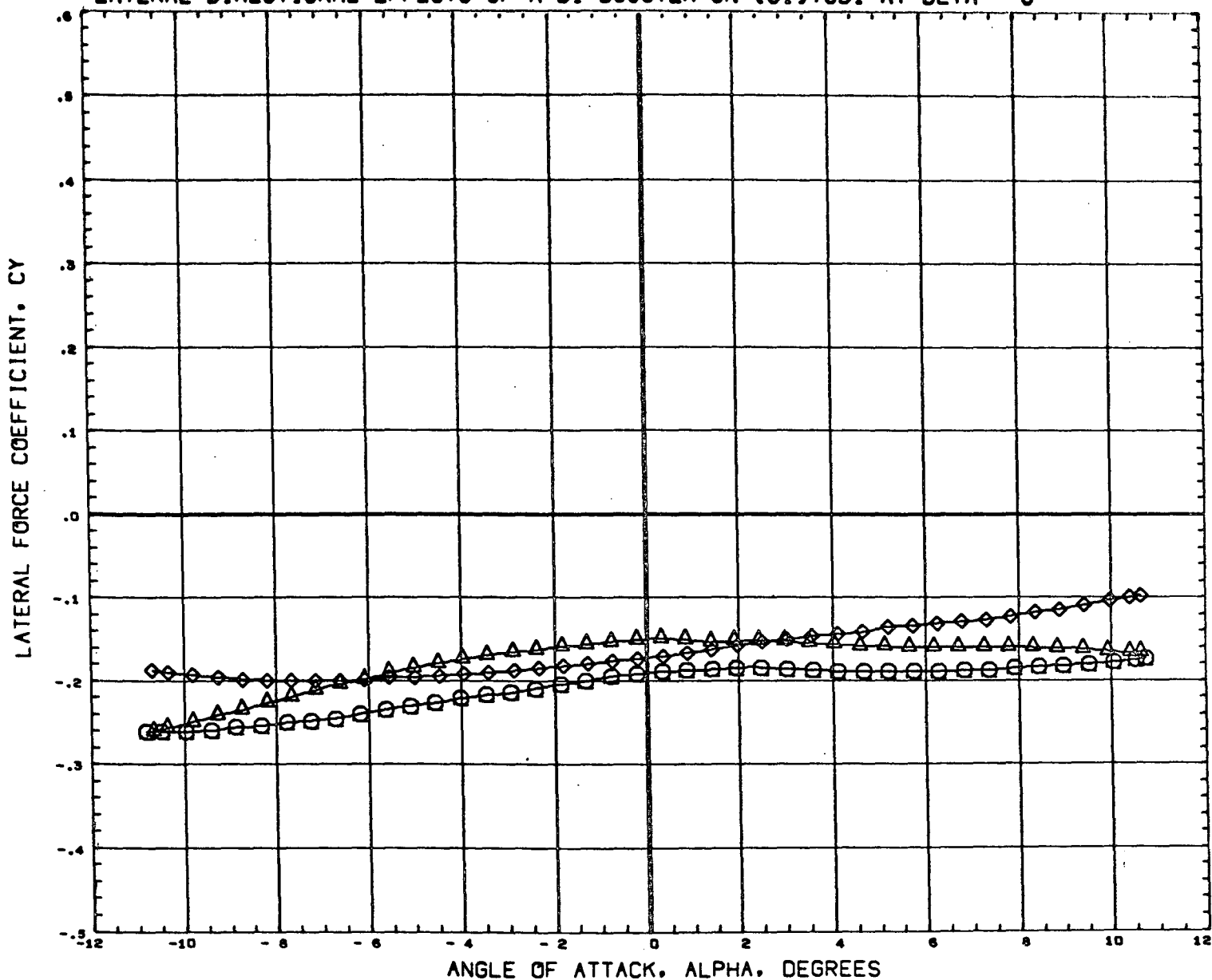


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

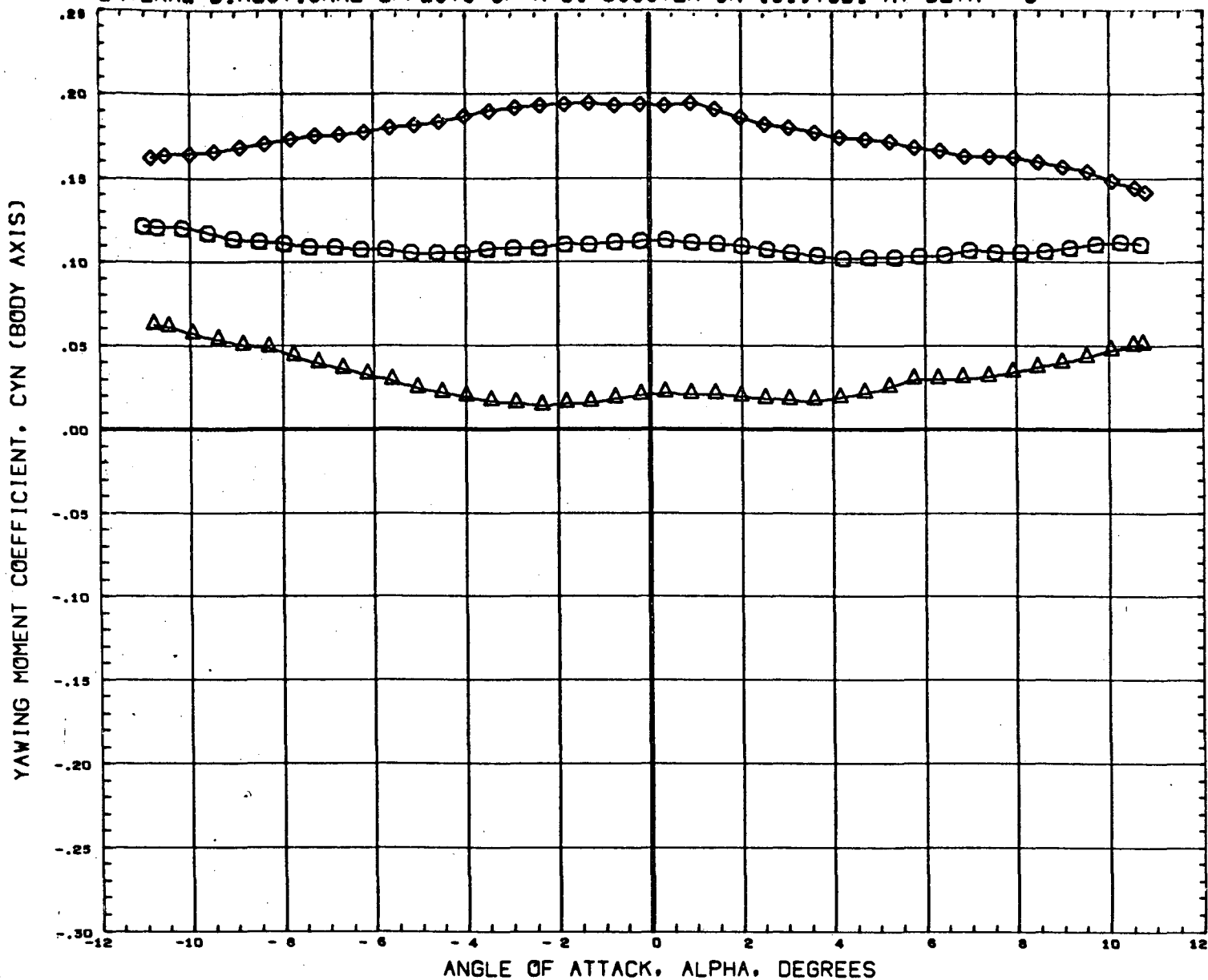


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

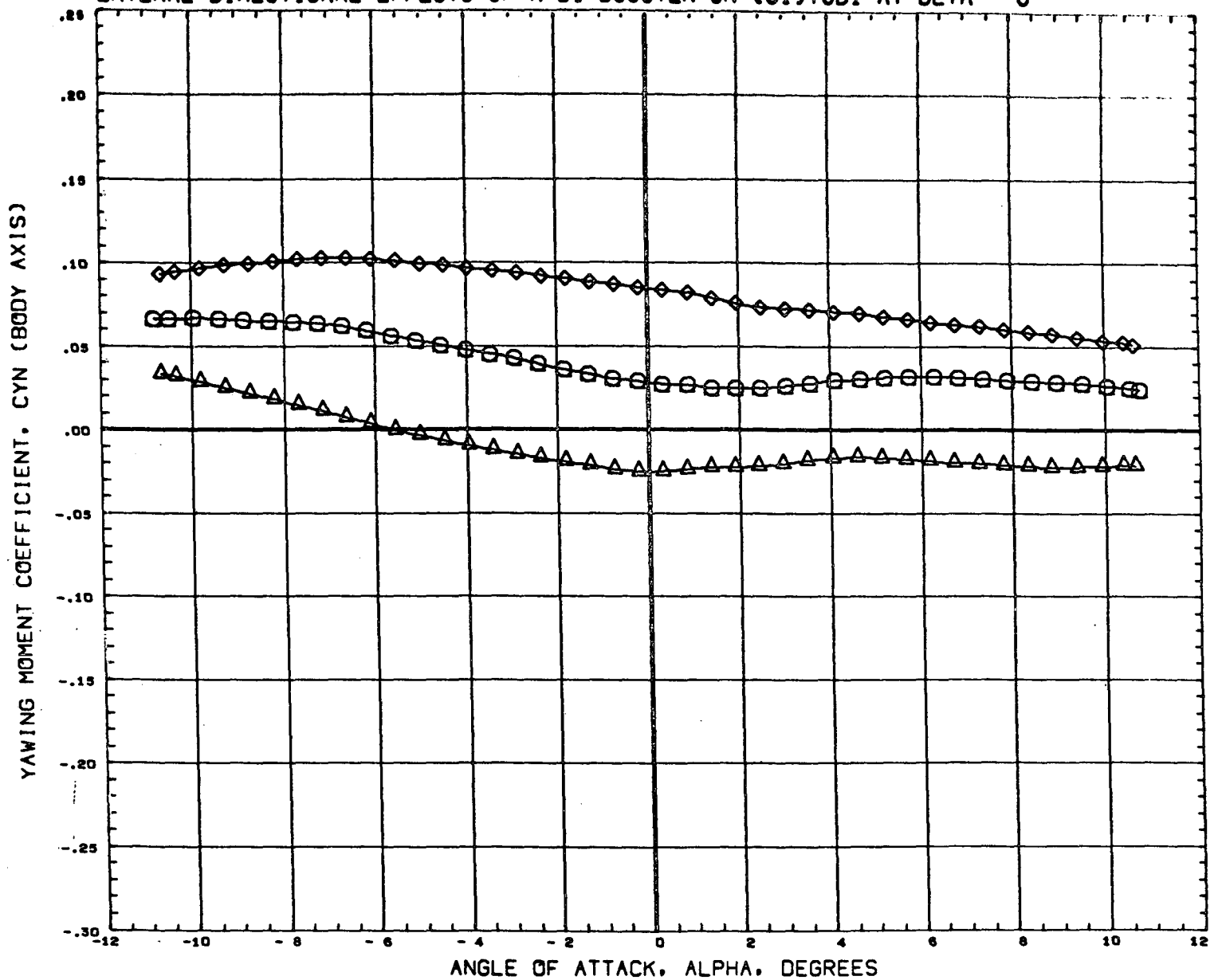


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7479)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7480)	MDAC S-222 COMPOSITE (T-CG) (O1)T3 (B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

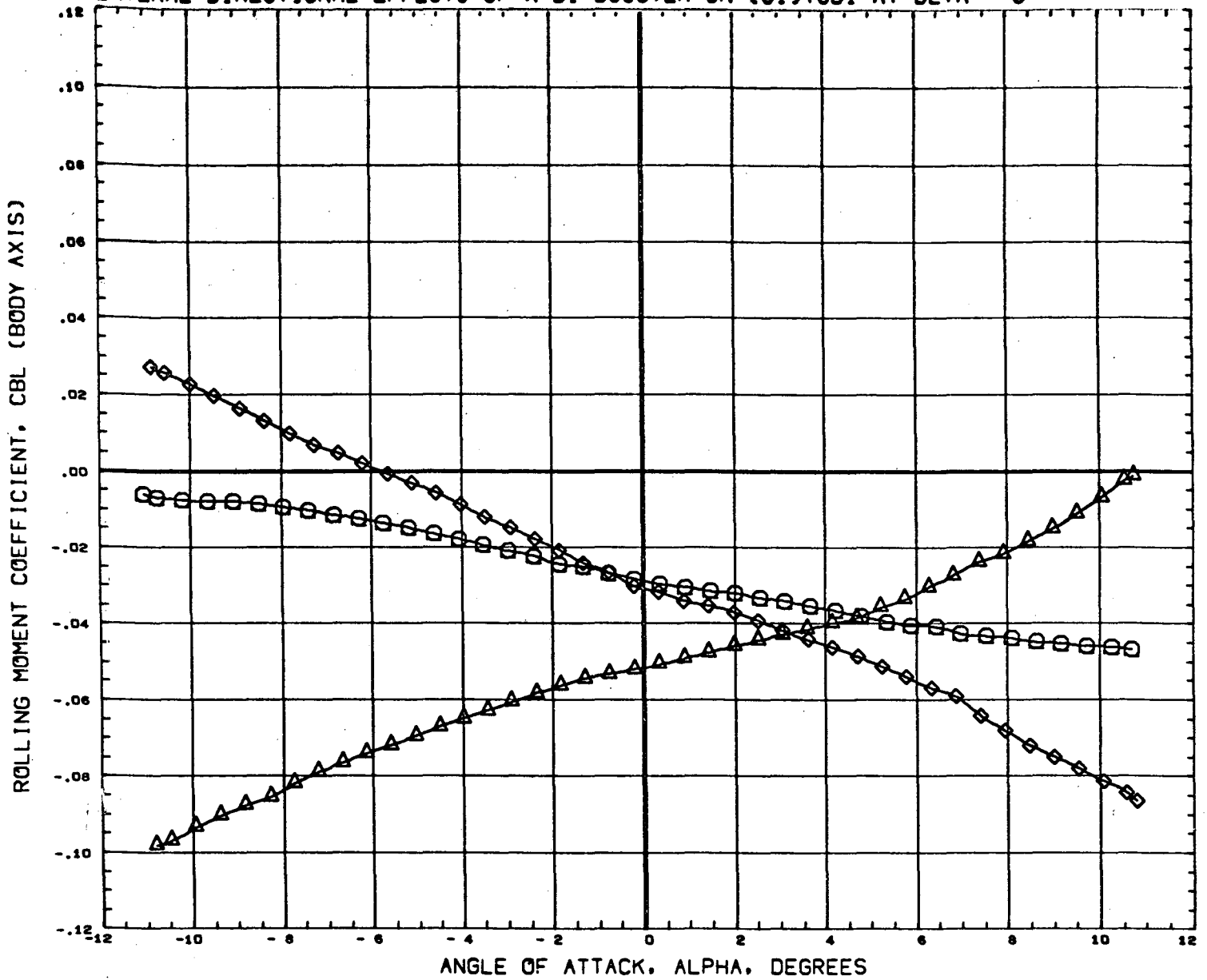


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7479)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7480)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 AT BETA = 6

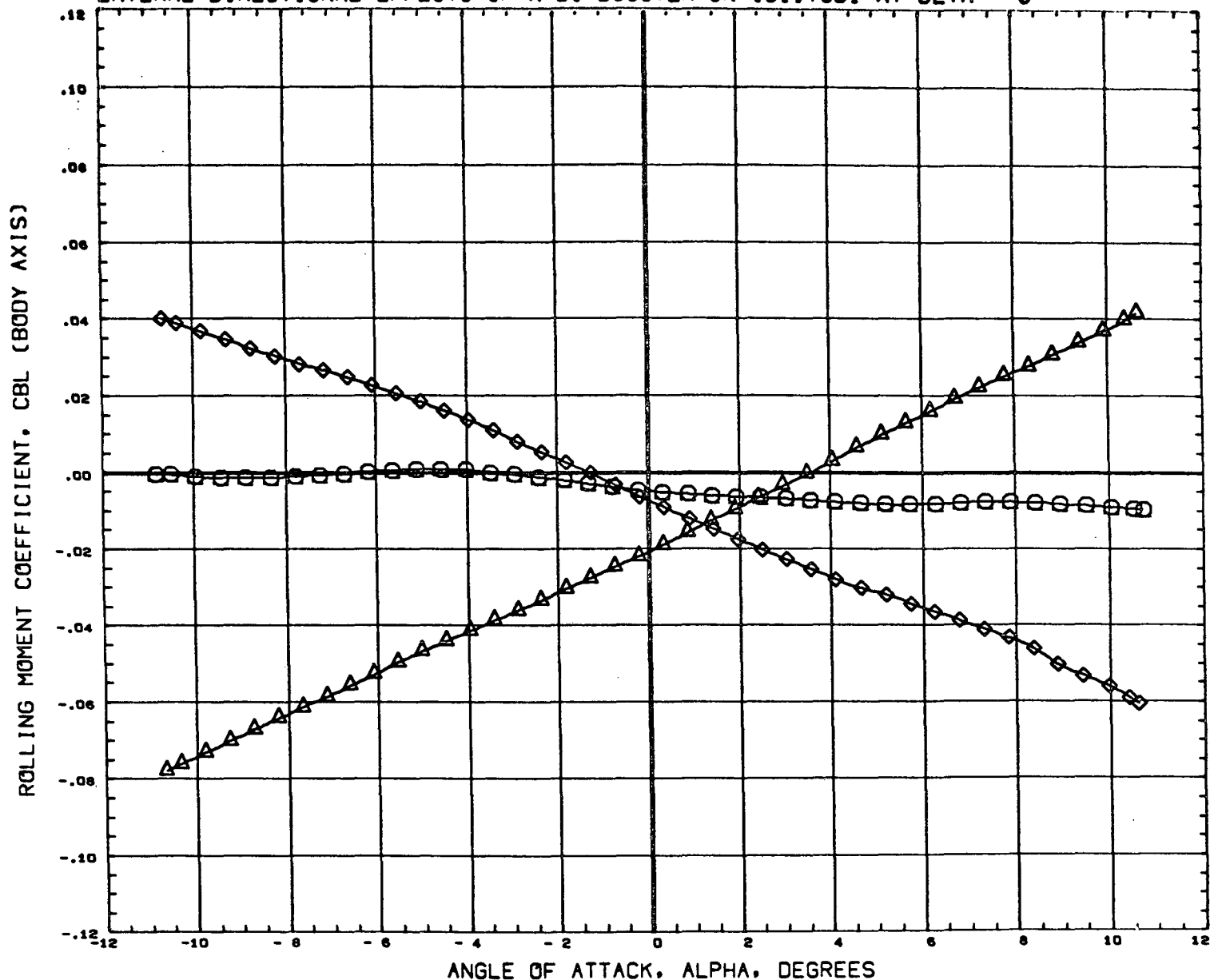


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD7479)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L(B1R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(RD7480)	MDAC S-222 COMPOSITE (T-CG) (01)T3(B1L)B1R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 AT BETA = 6

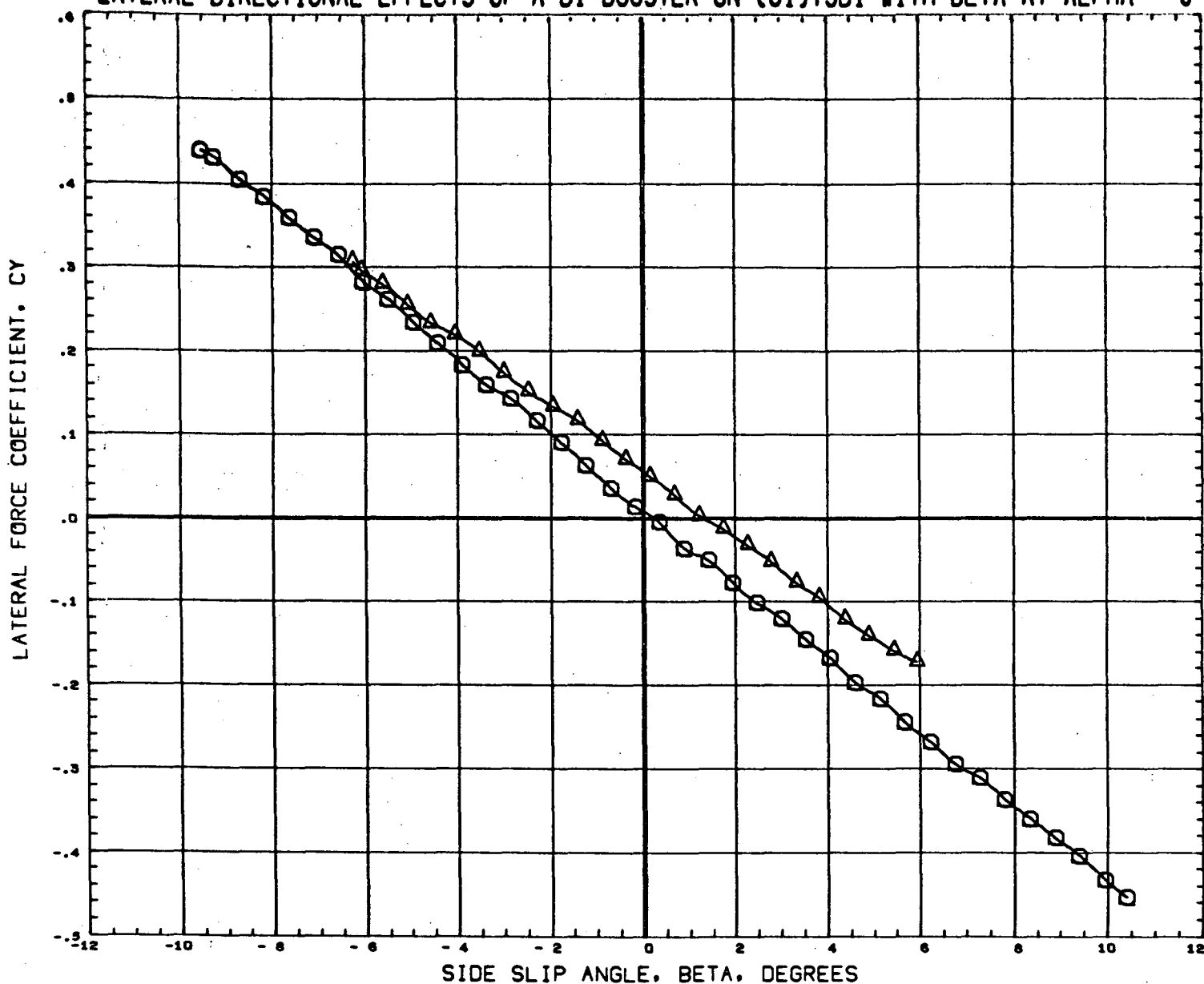


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7479)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7480)	MDAC S-222 COMPOSITE (T-CG) (O1)T3 (B1L) B1R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

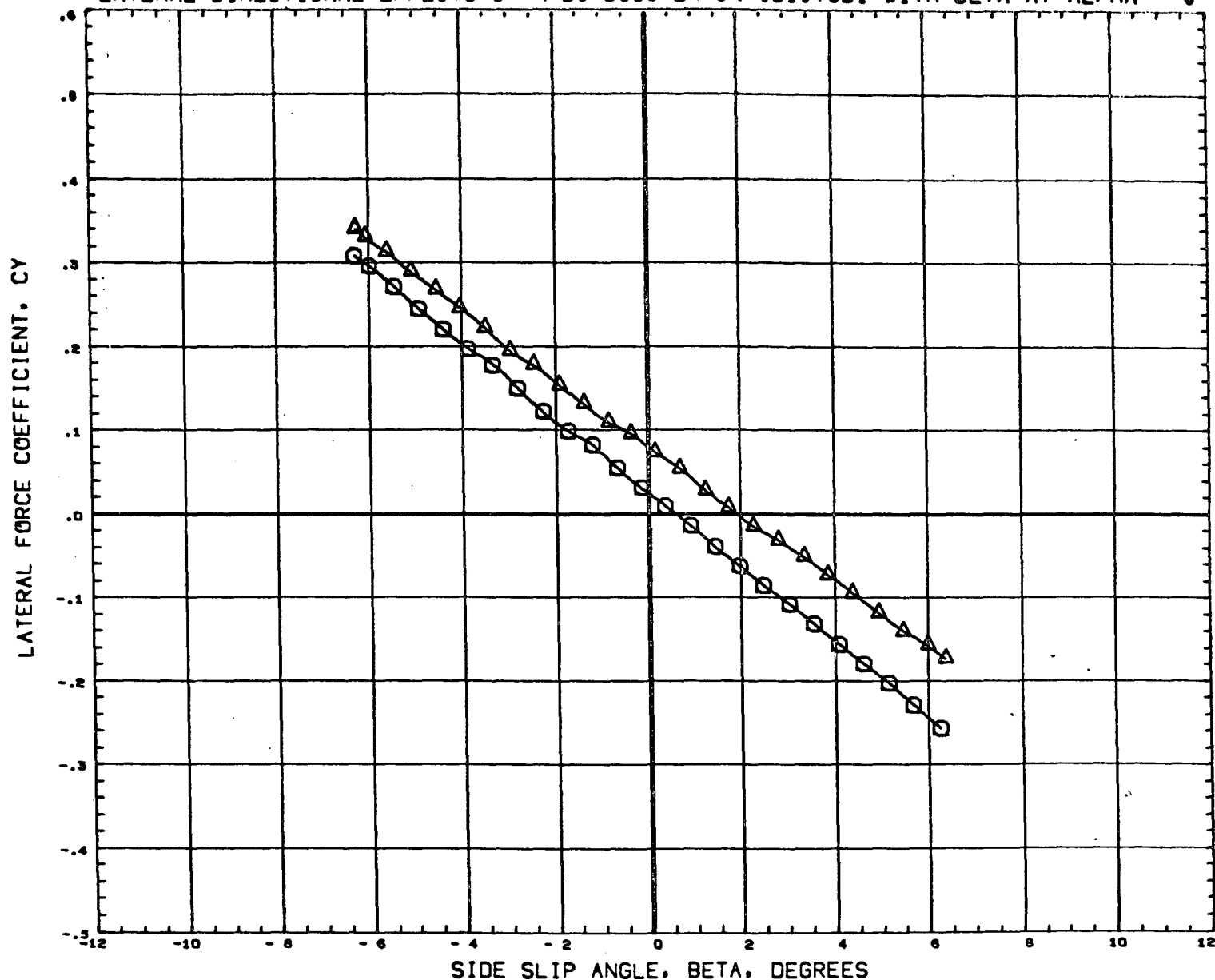


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7475)	MDAC S-222 COMPOSITE(T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7476)	MDAC S-222 COMPOSITE(T-CG) (O1)T3B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

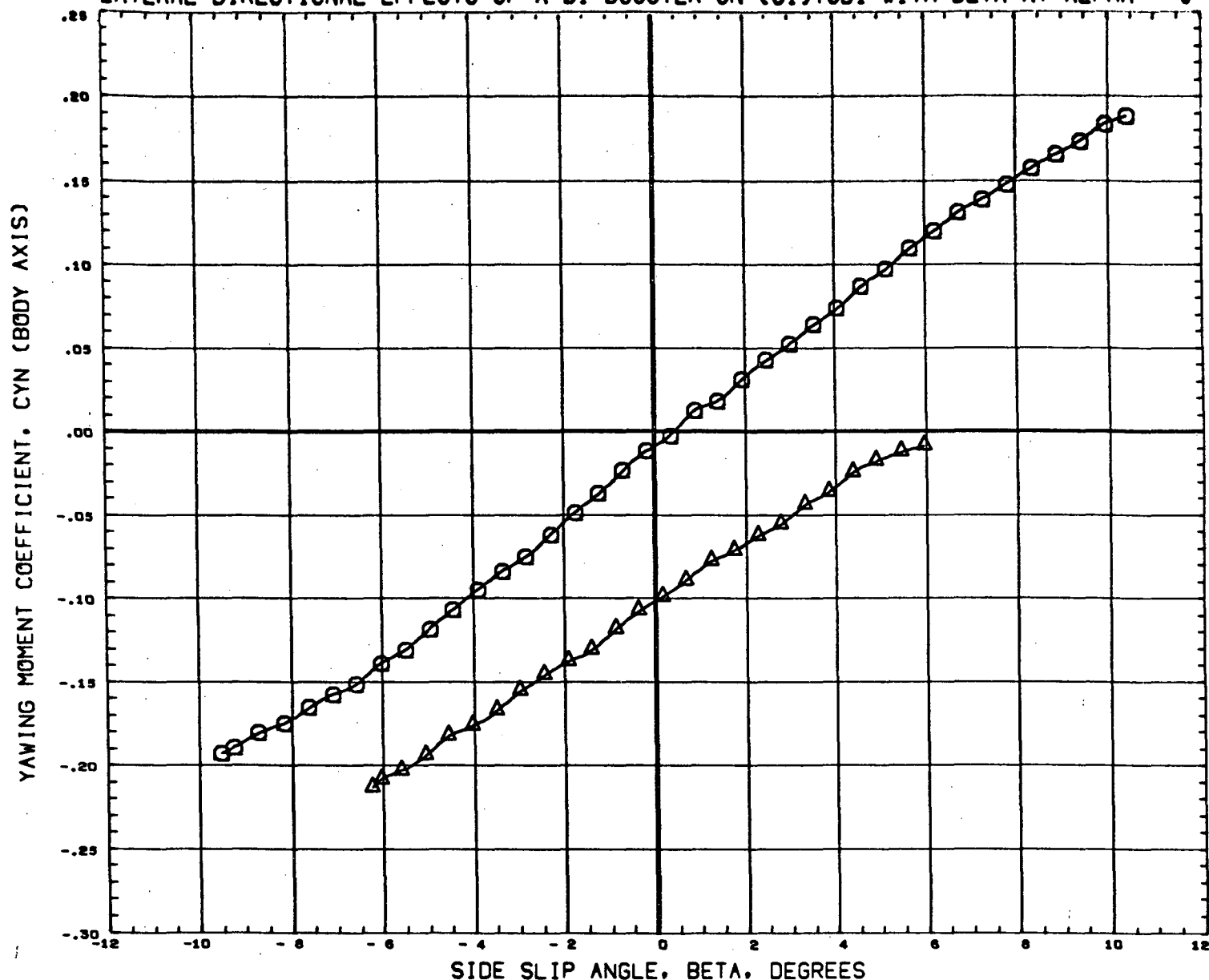


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7475)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7478)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

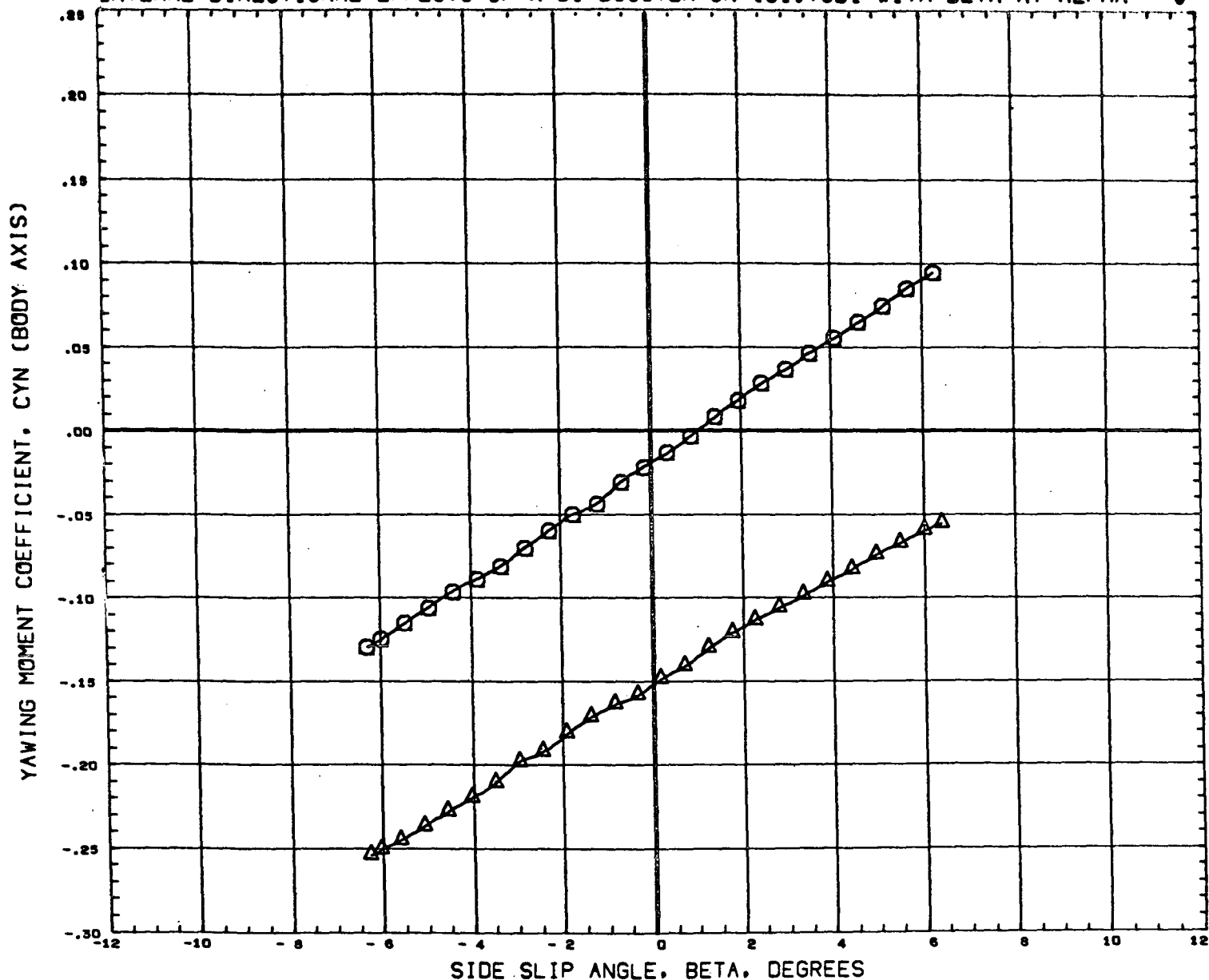


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L(B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 WITH BETA AT ALPHA = 0

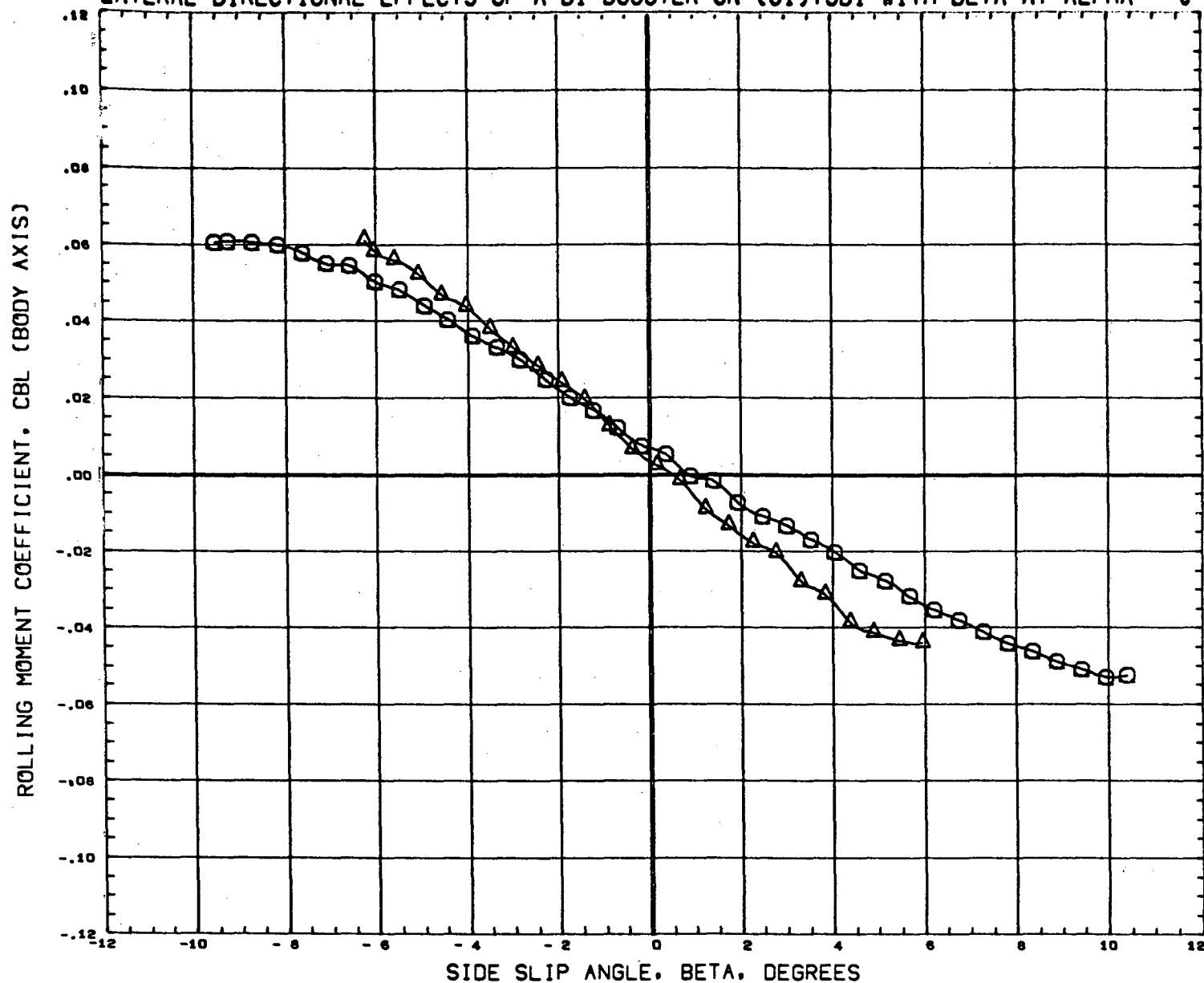


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7475)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7476)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 WITH BETA AT ALPHA = 0

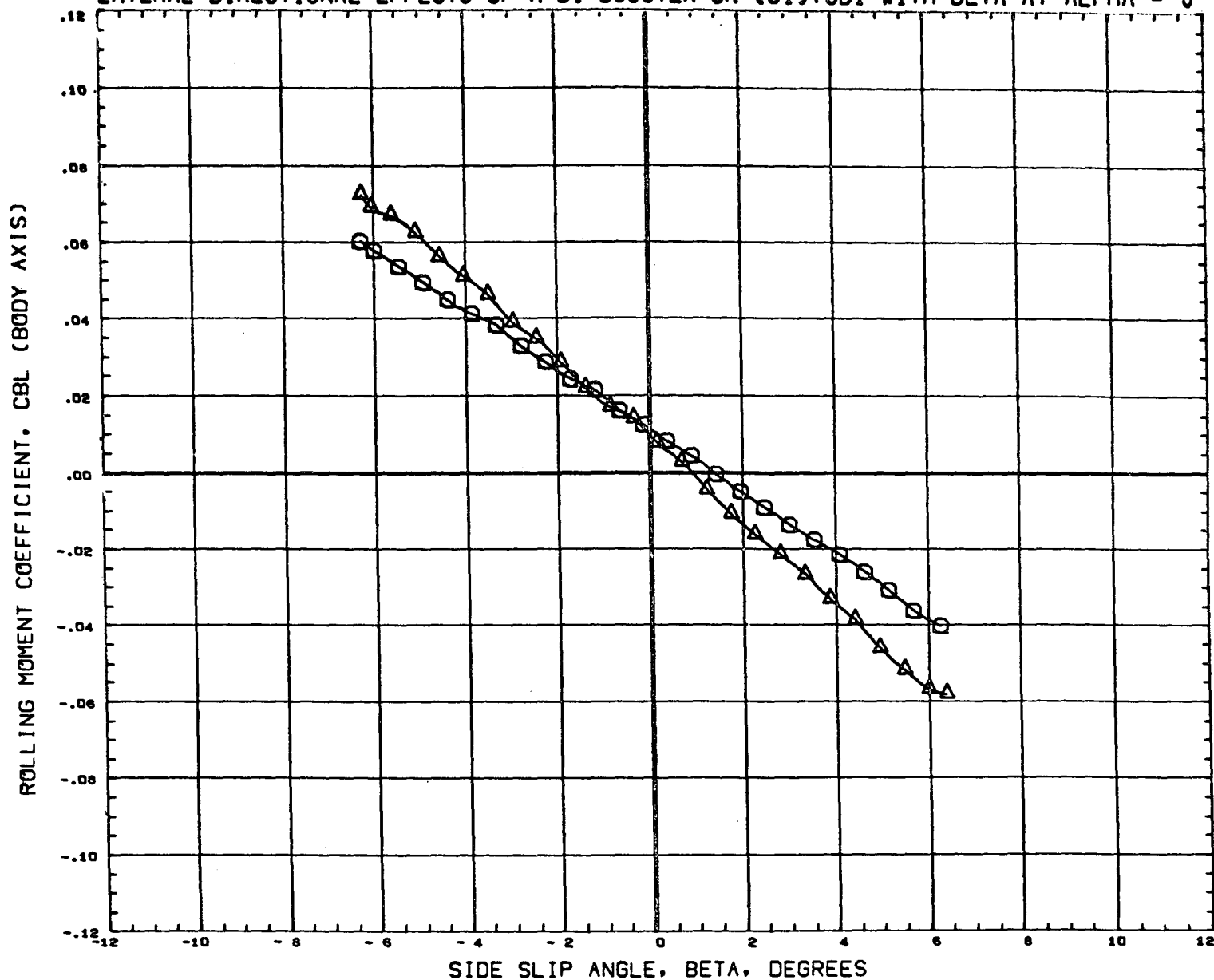


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7475)	MDAC S-222 COMPOSITE (T-C6) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7478)	MDAC S-222 COMPOSITE (T-C6) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

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LATERAL-DIRECTIONAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

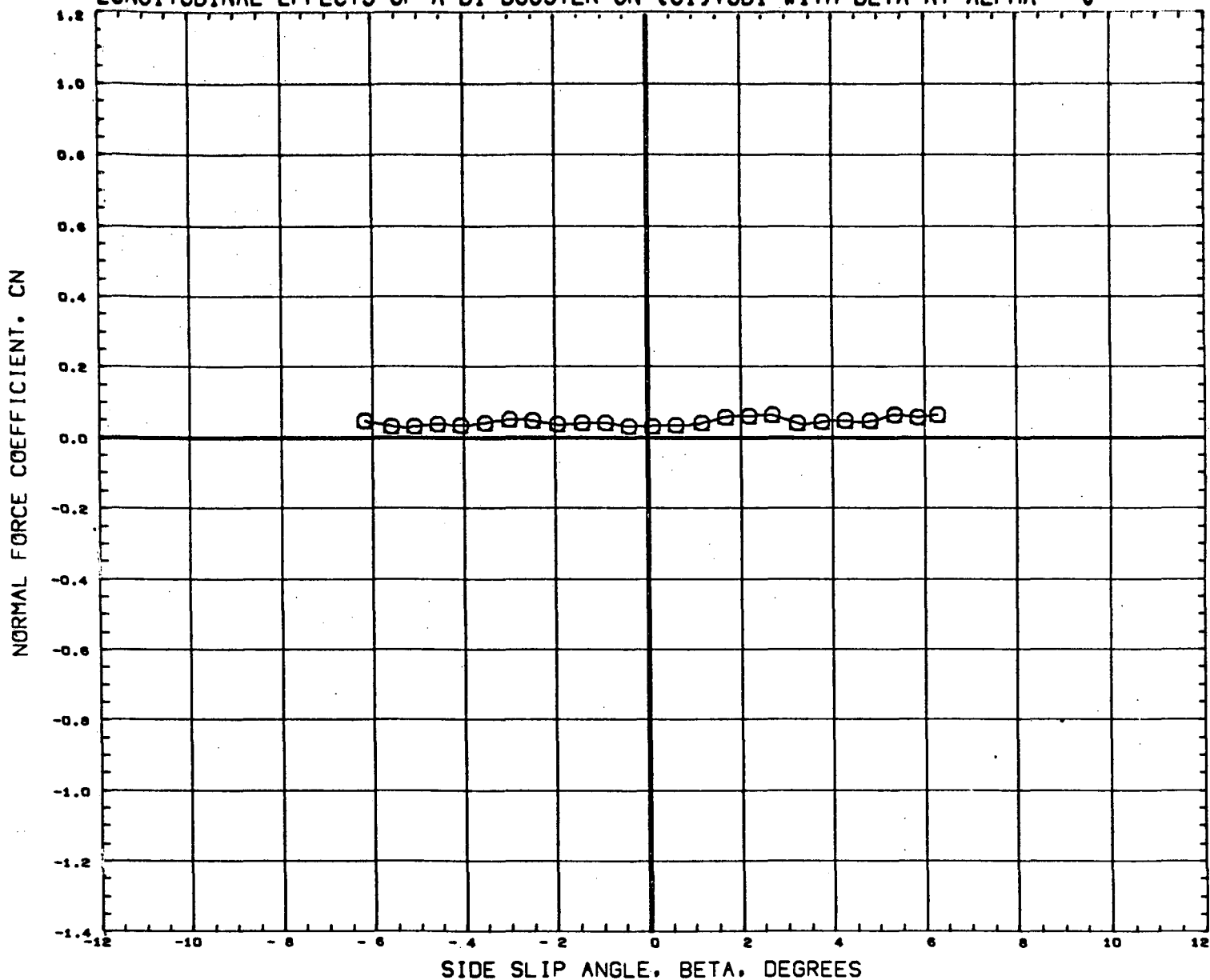


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R07475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(R07476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0



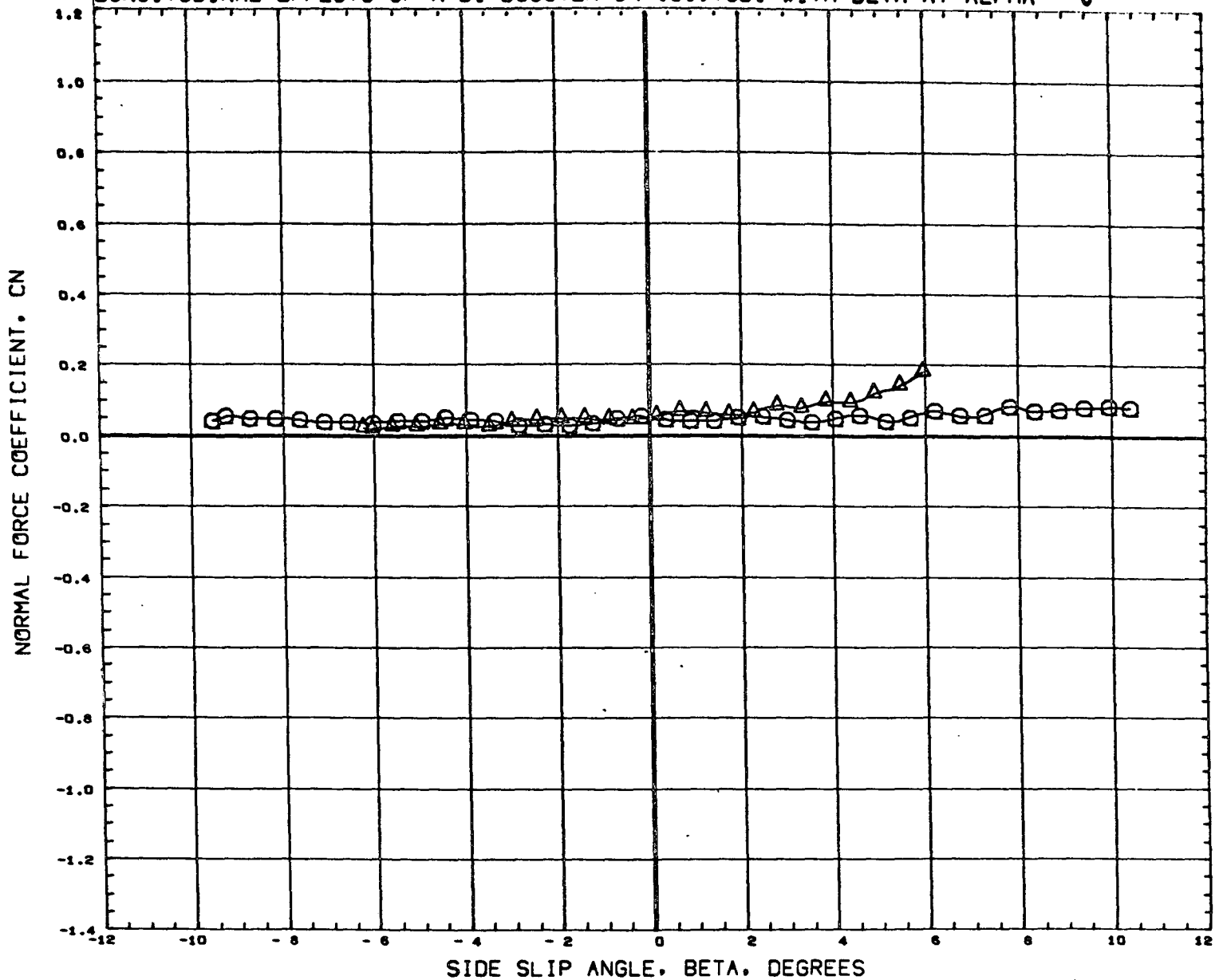
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7475) MDAC S-222 COMPOSITE (T-CG) (O1)T3B1
 (CD7476) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRF	557.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH .59

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

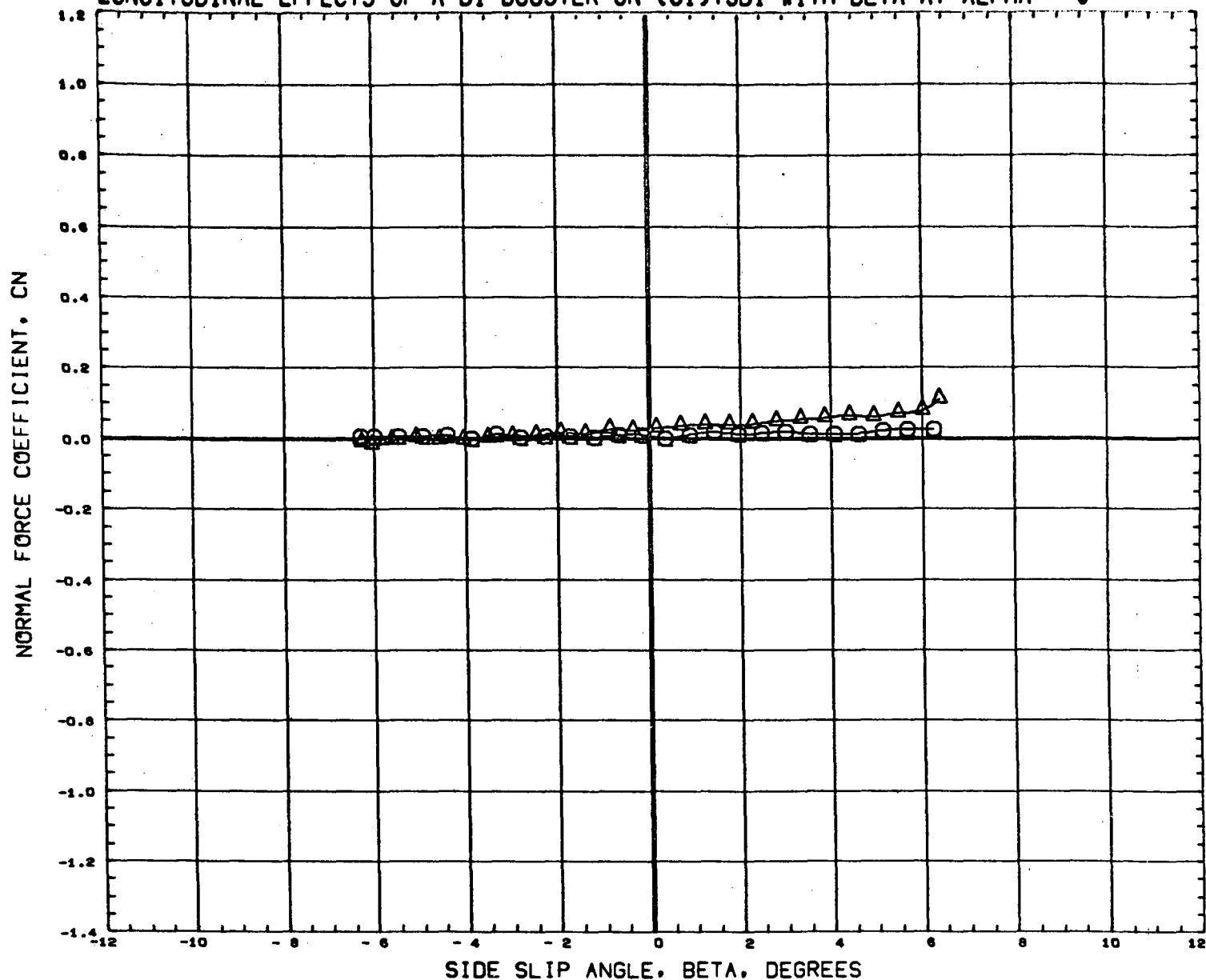


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

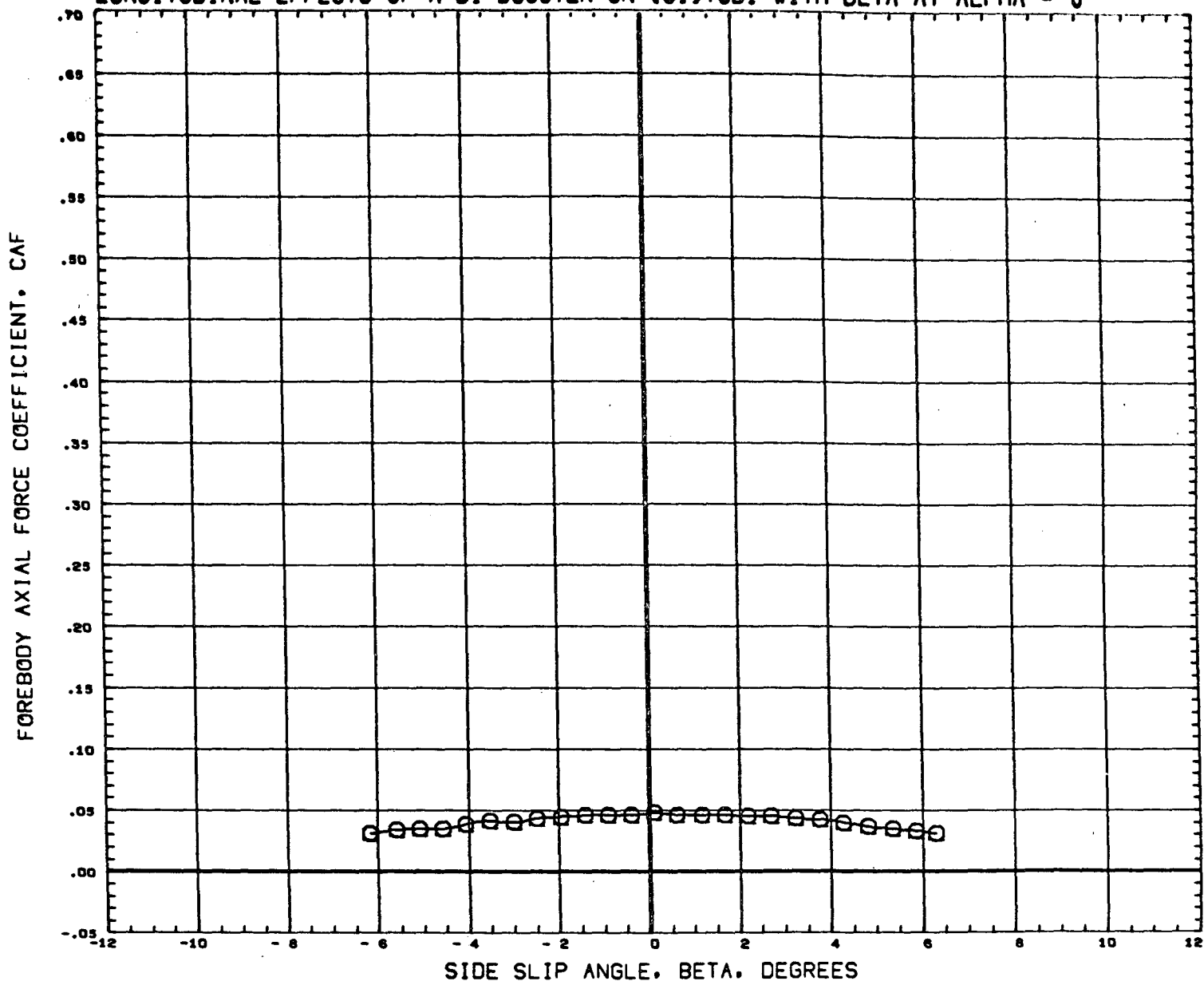


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7478)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7475) MDAC S-222 COMPOSITE (T-CG) (01)T3B1
 (CD7476) DATA NOT AVAILABLE FOR ALL CONDITIONS

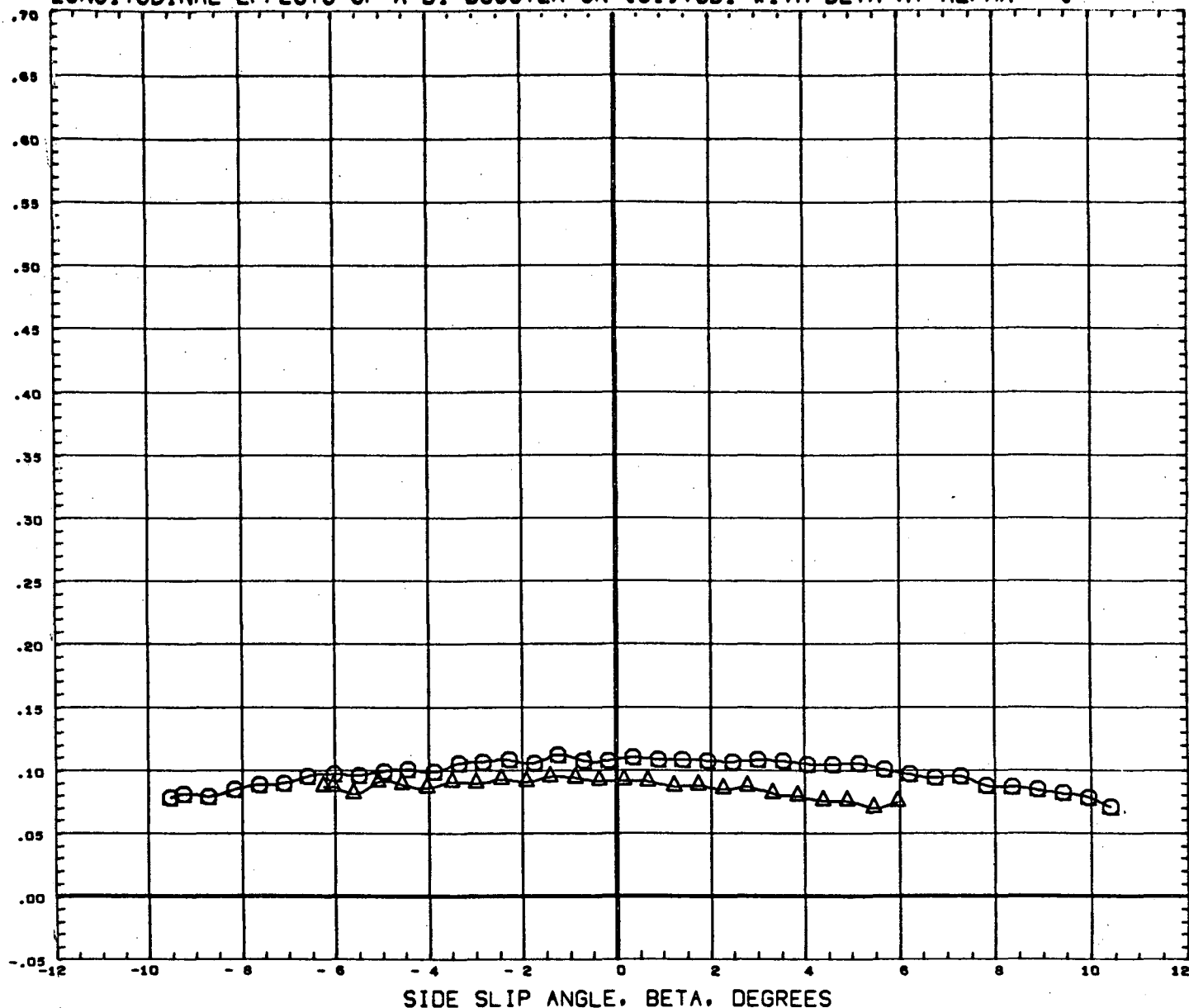
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF

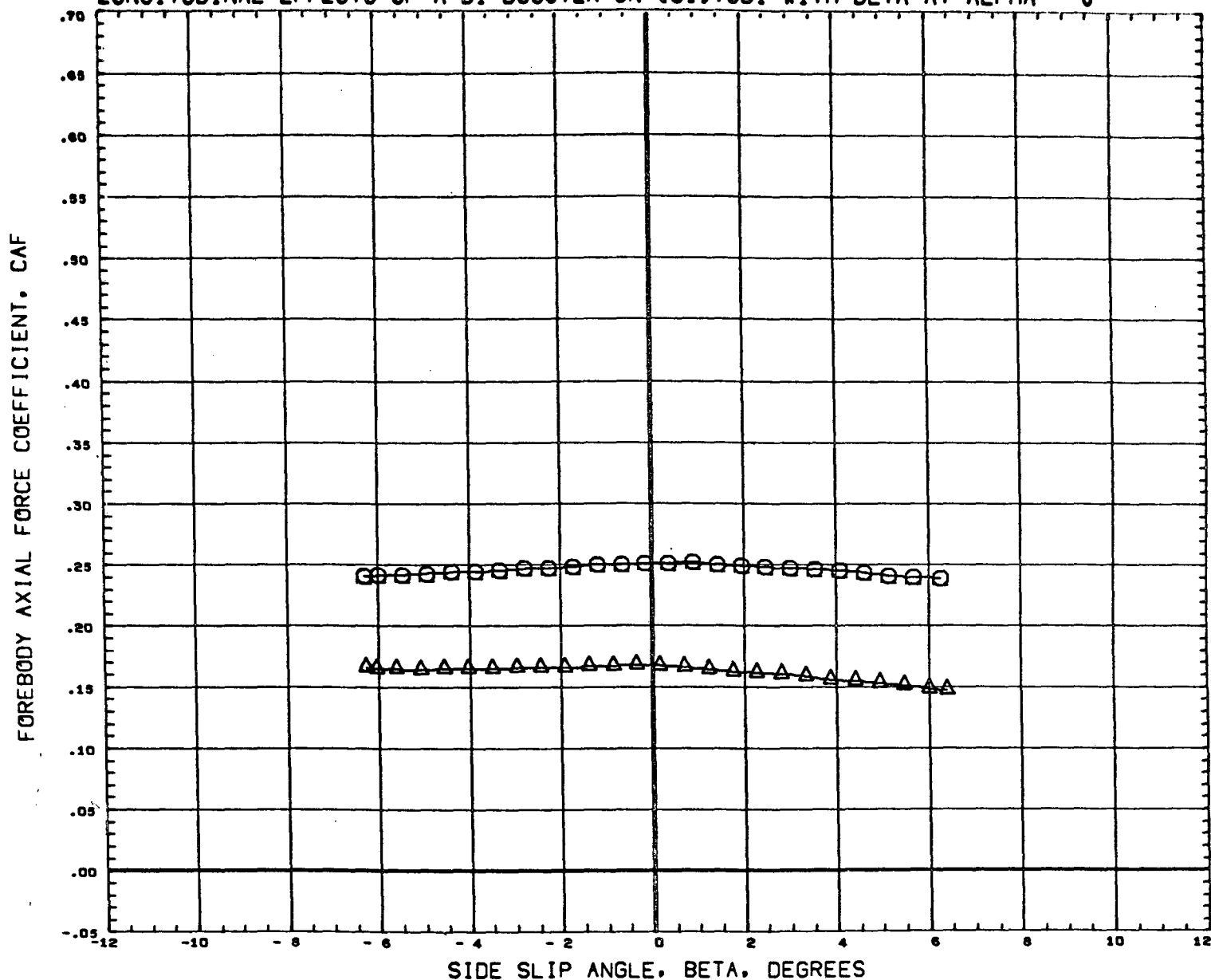


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7478)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

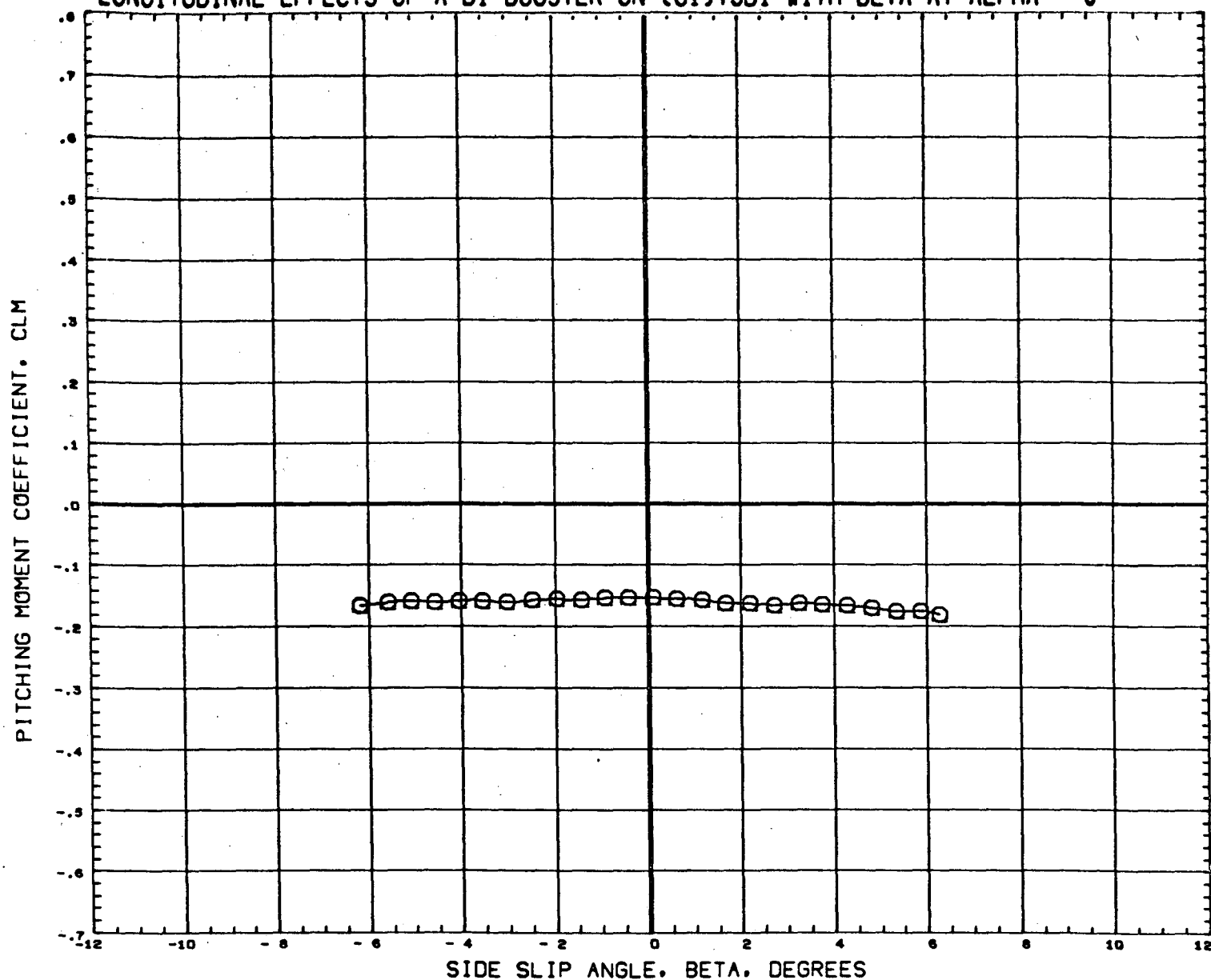


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0



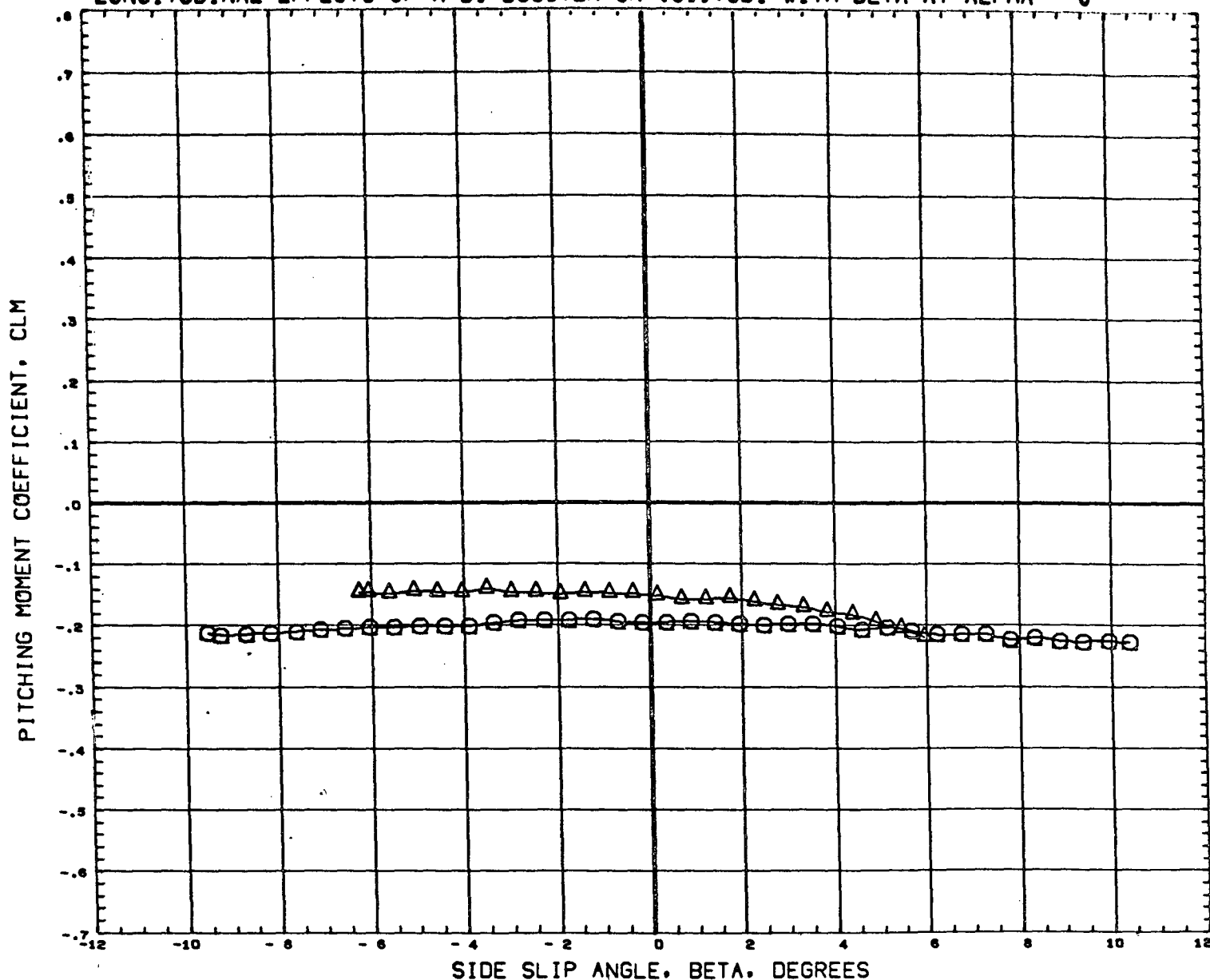
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7475) MDAC S-222 COMPOSITE(T-CG) (O1)T3B1
 (CD7476) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

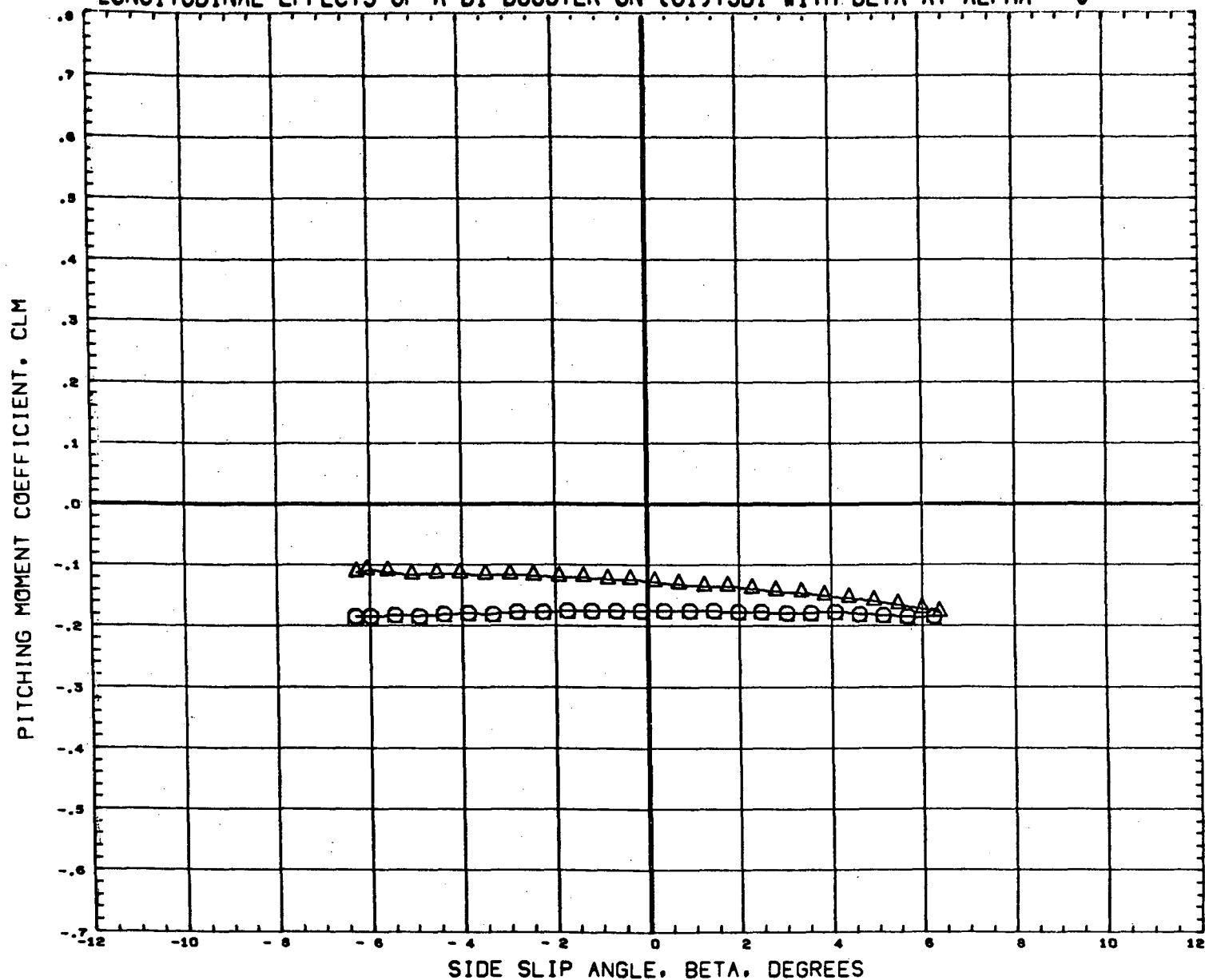


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7478)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

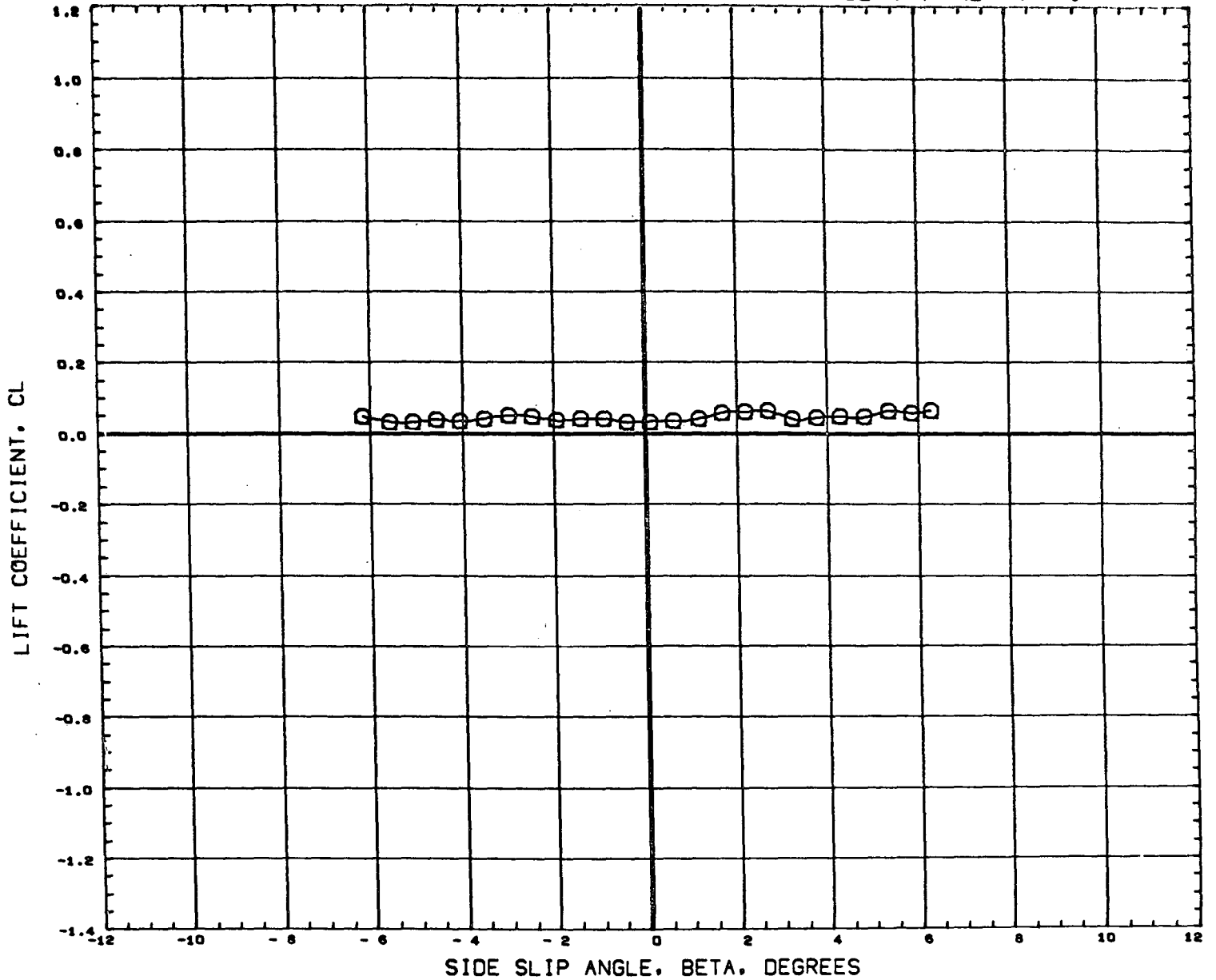


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 WITH BETA AT ALPHA = 0



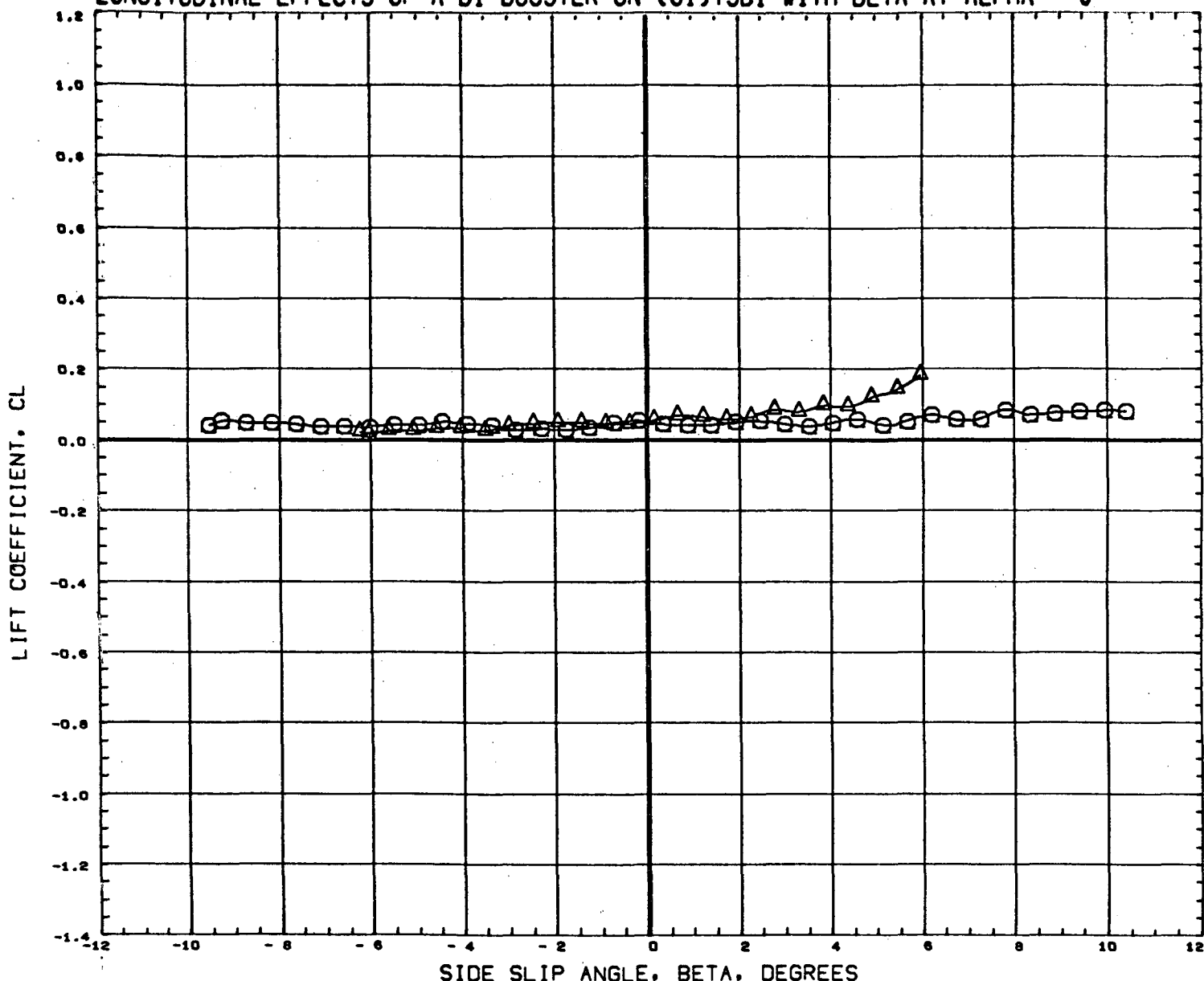
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7475) Q MDAC S-222 COMPOSITE (T-CG) (01)T3B1
 (CD7478) A DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

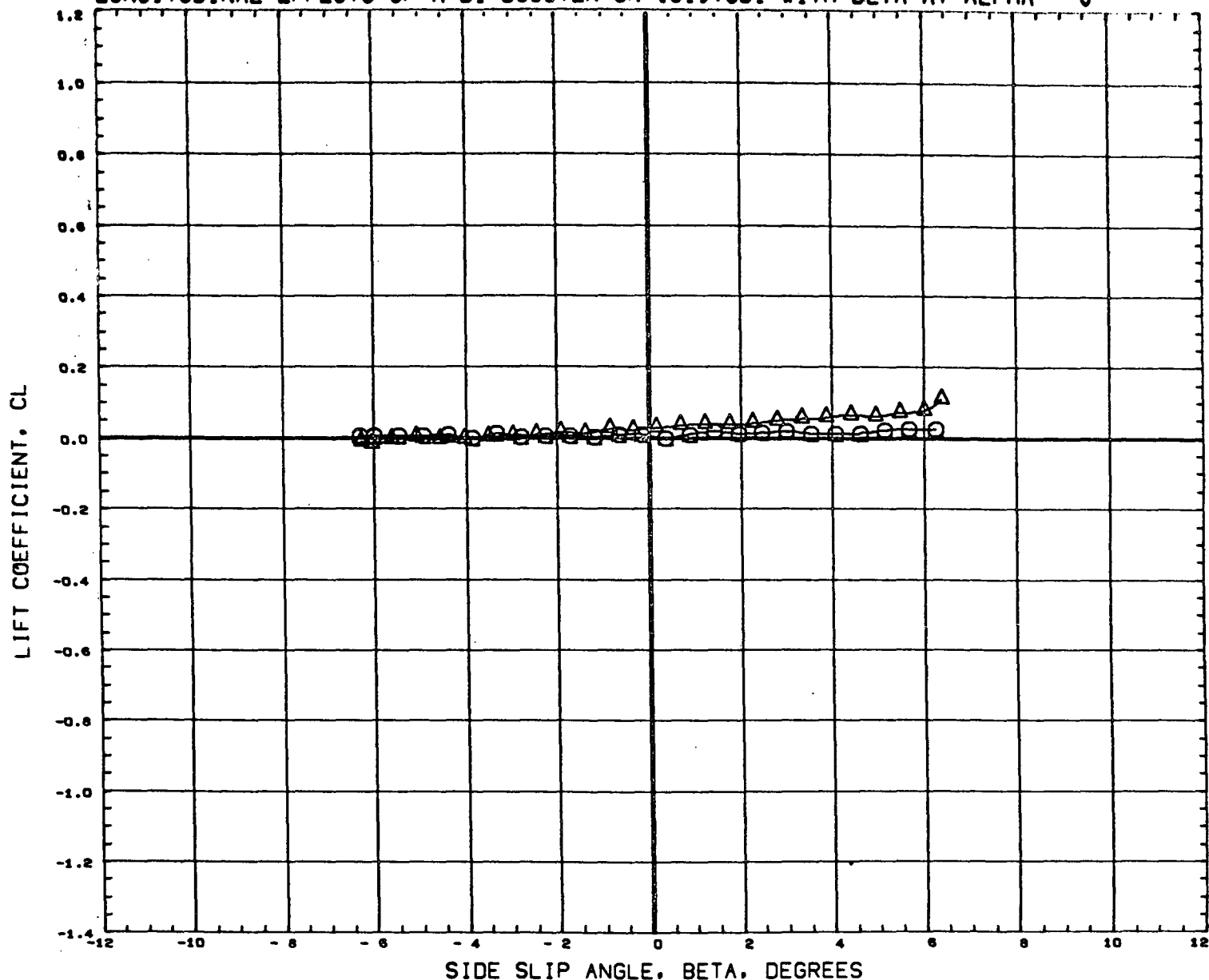


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7478)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

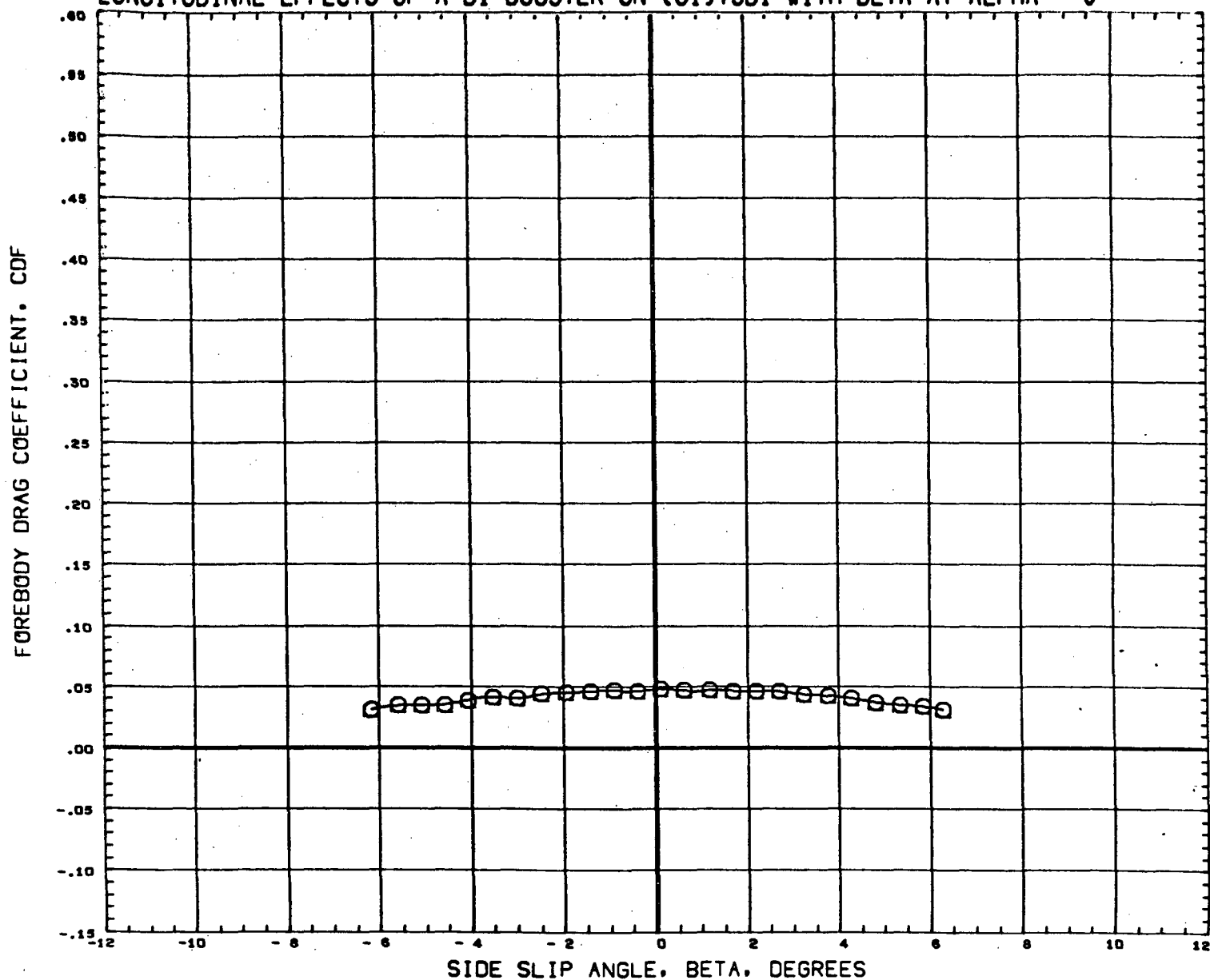


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7478)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 WITH BETA AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7476)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

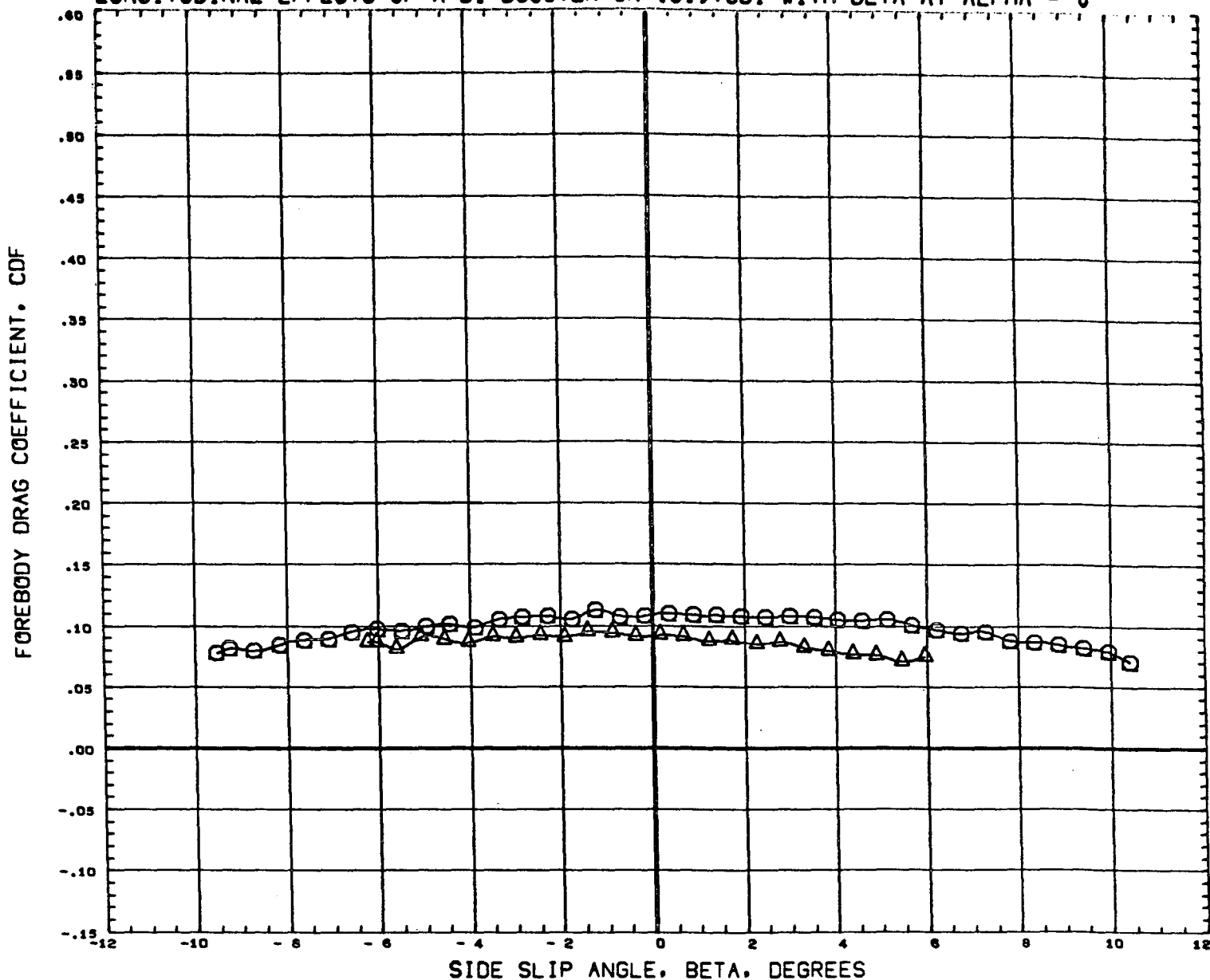
MACH

.59

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (01)T3B1 WITH BETA AT ALPHA = 0

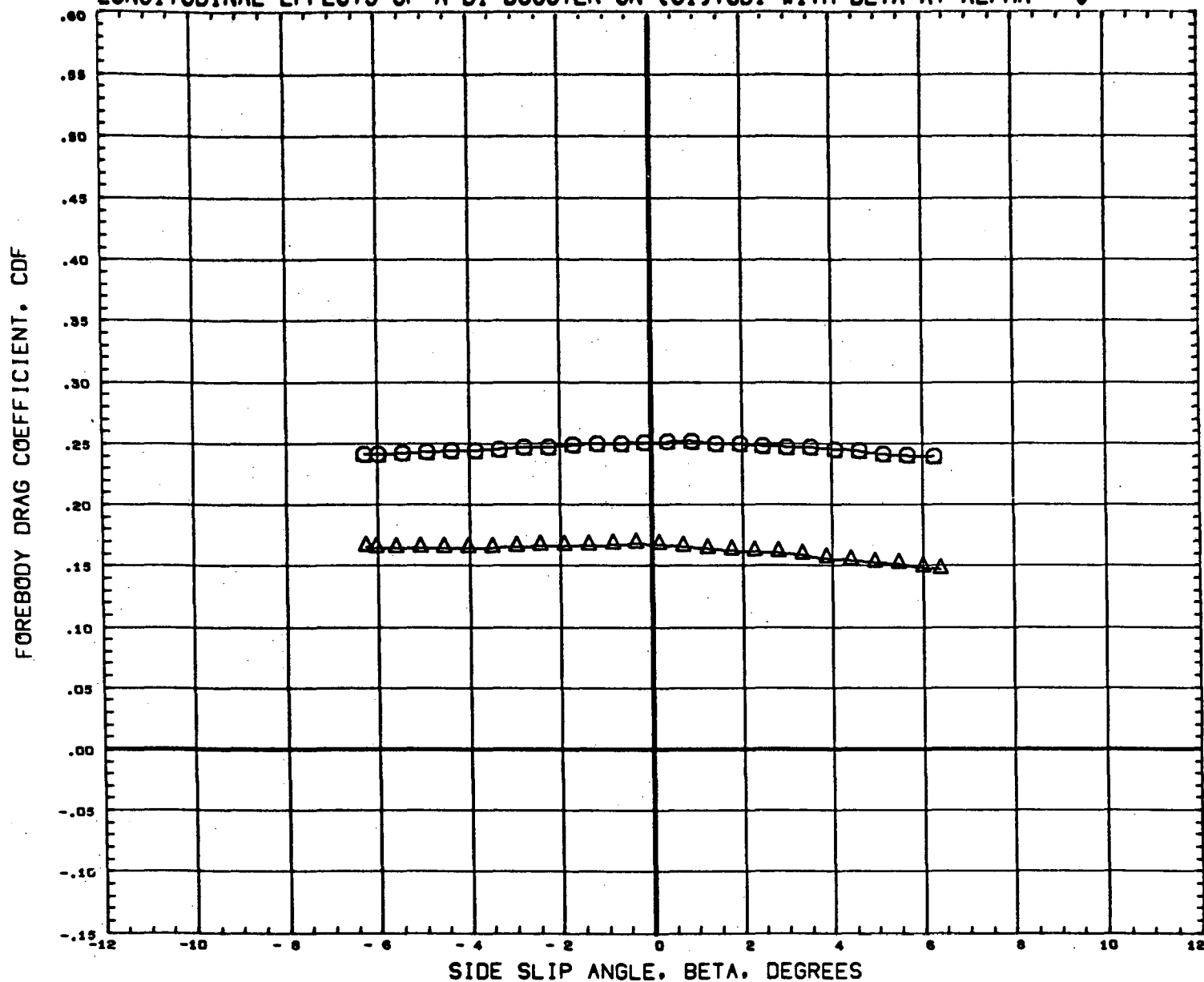


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7478)	MDAC S-222 COMPOSITE (T-CG) (01)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B1 BOOSTER ON (O1)T3B1 WITH BETA AT ALPHA = 0

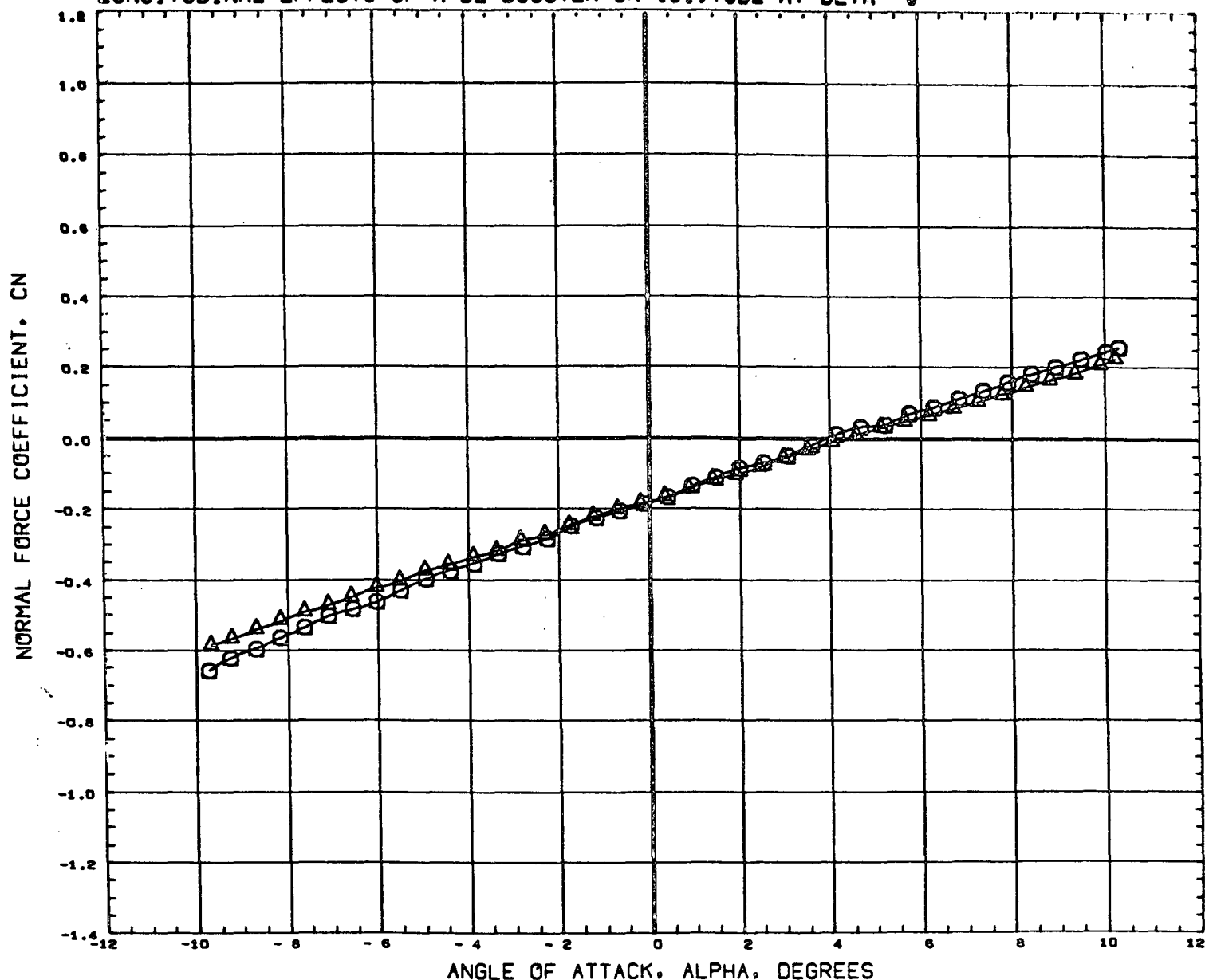


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7475)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7476)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B1L (B1R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)

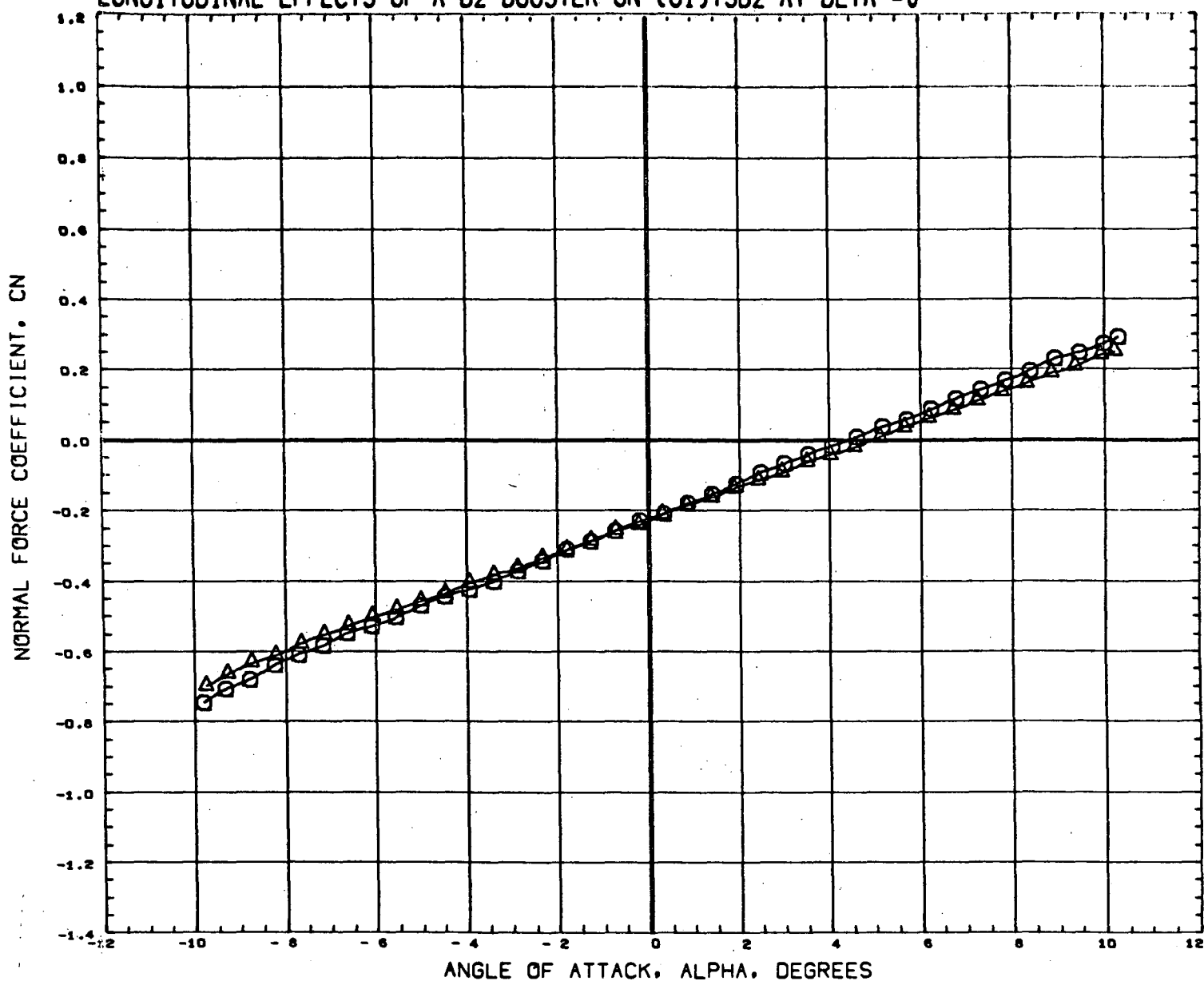
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

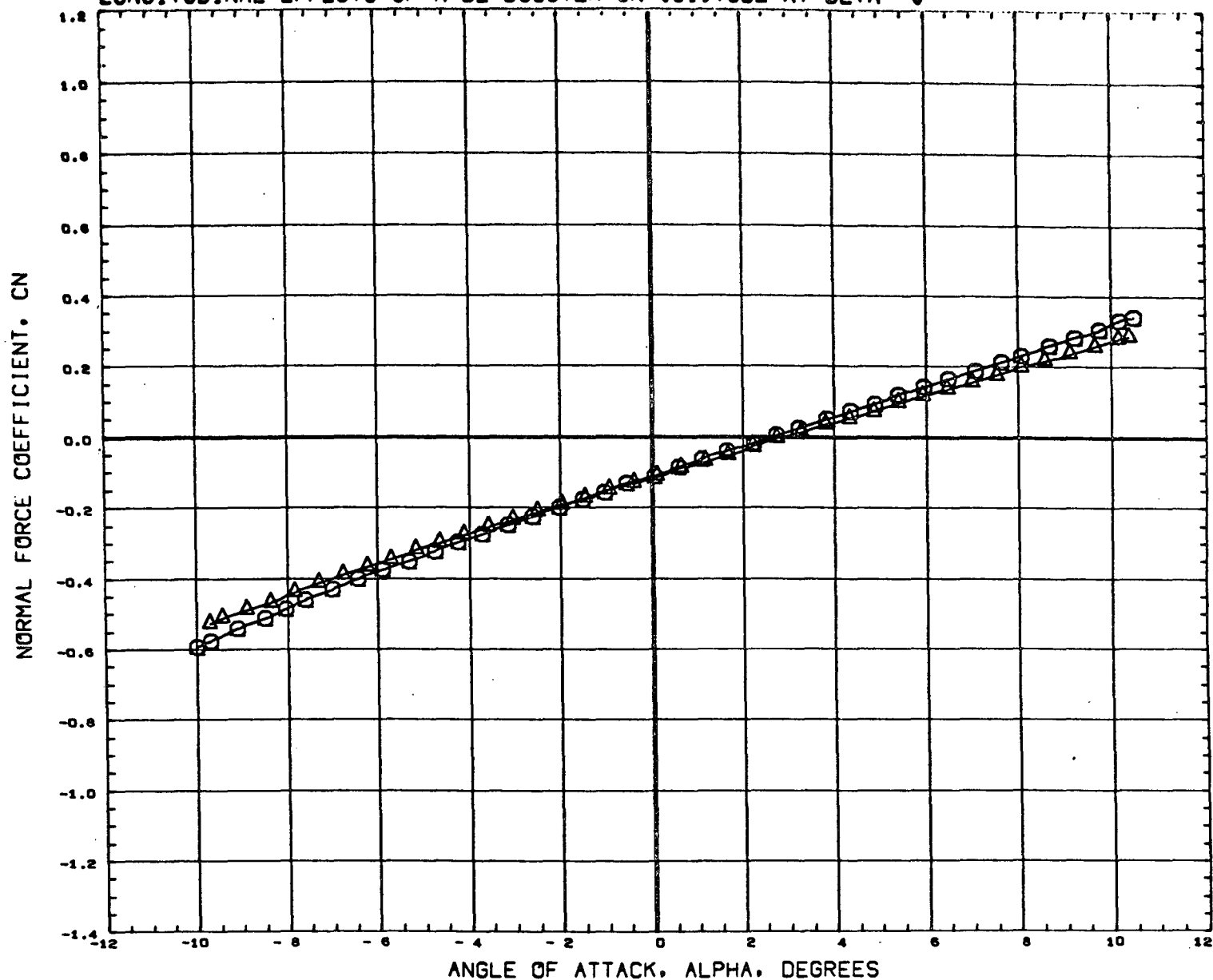


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7482) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T3B2
 (CD7484) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)

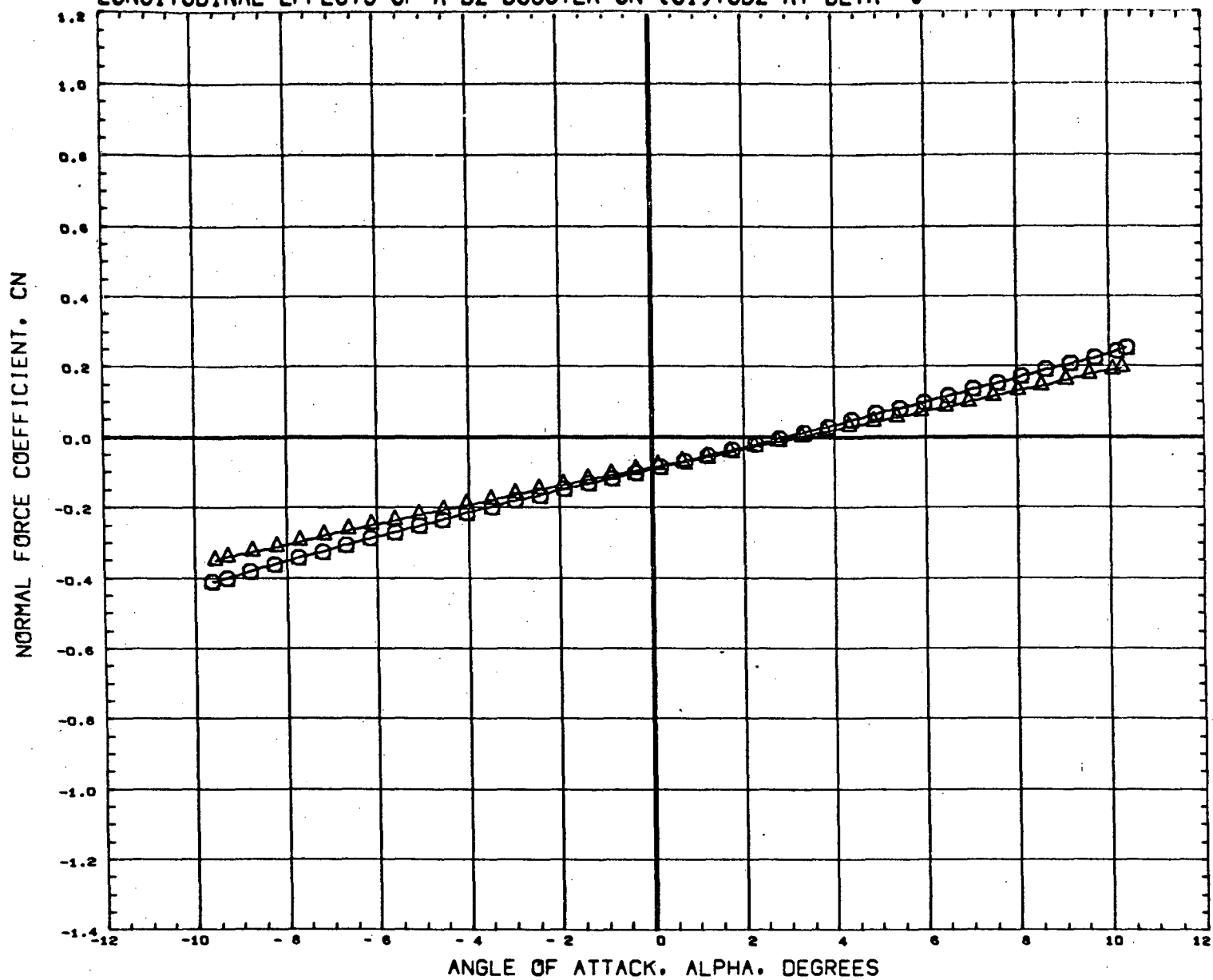
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7482) (O) MDAC S-222 COMPOSITE (T-CG) (O1) T3B2
 (CD7484) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)

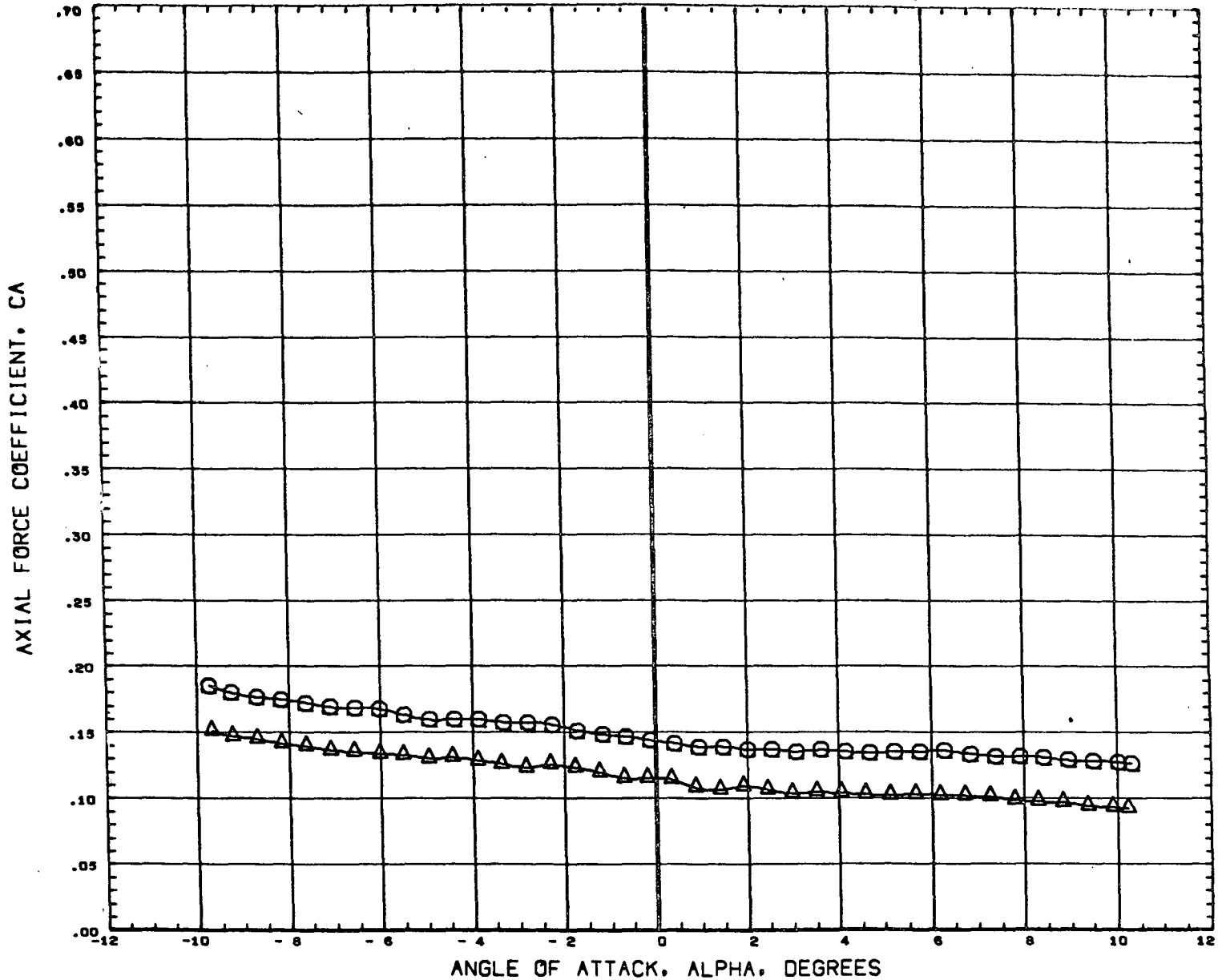
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0

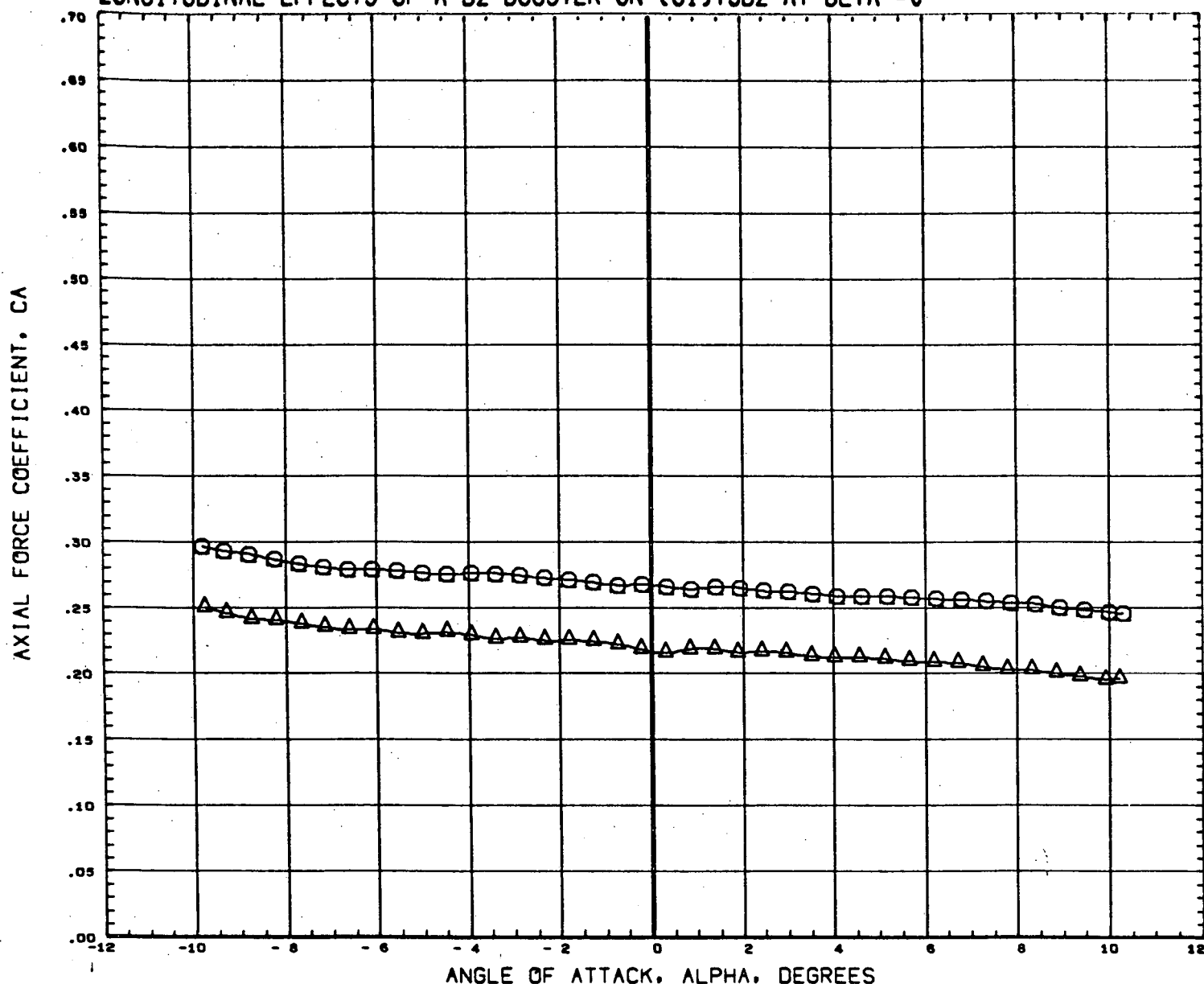


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

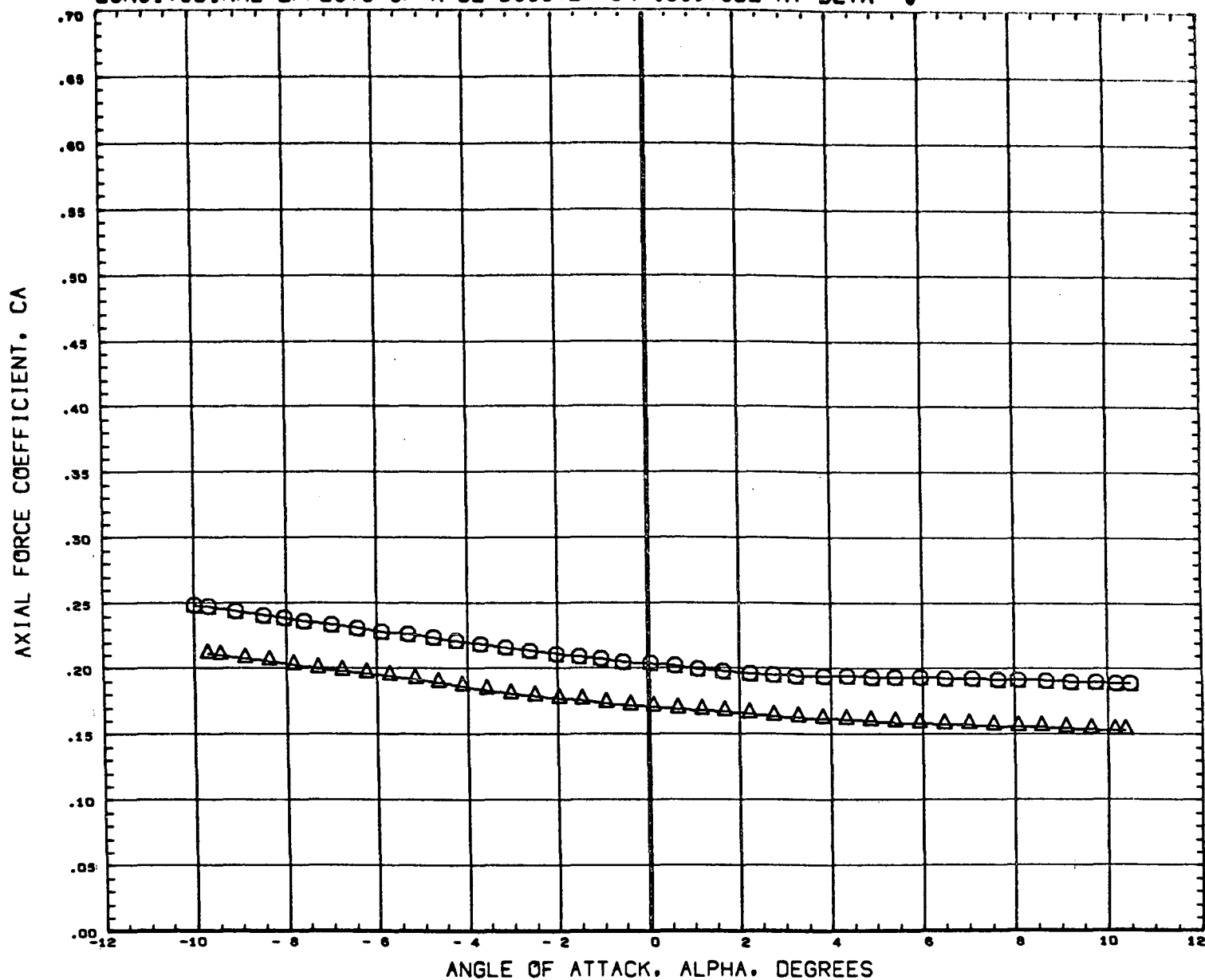


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



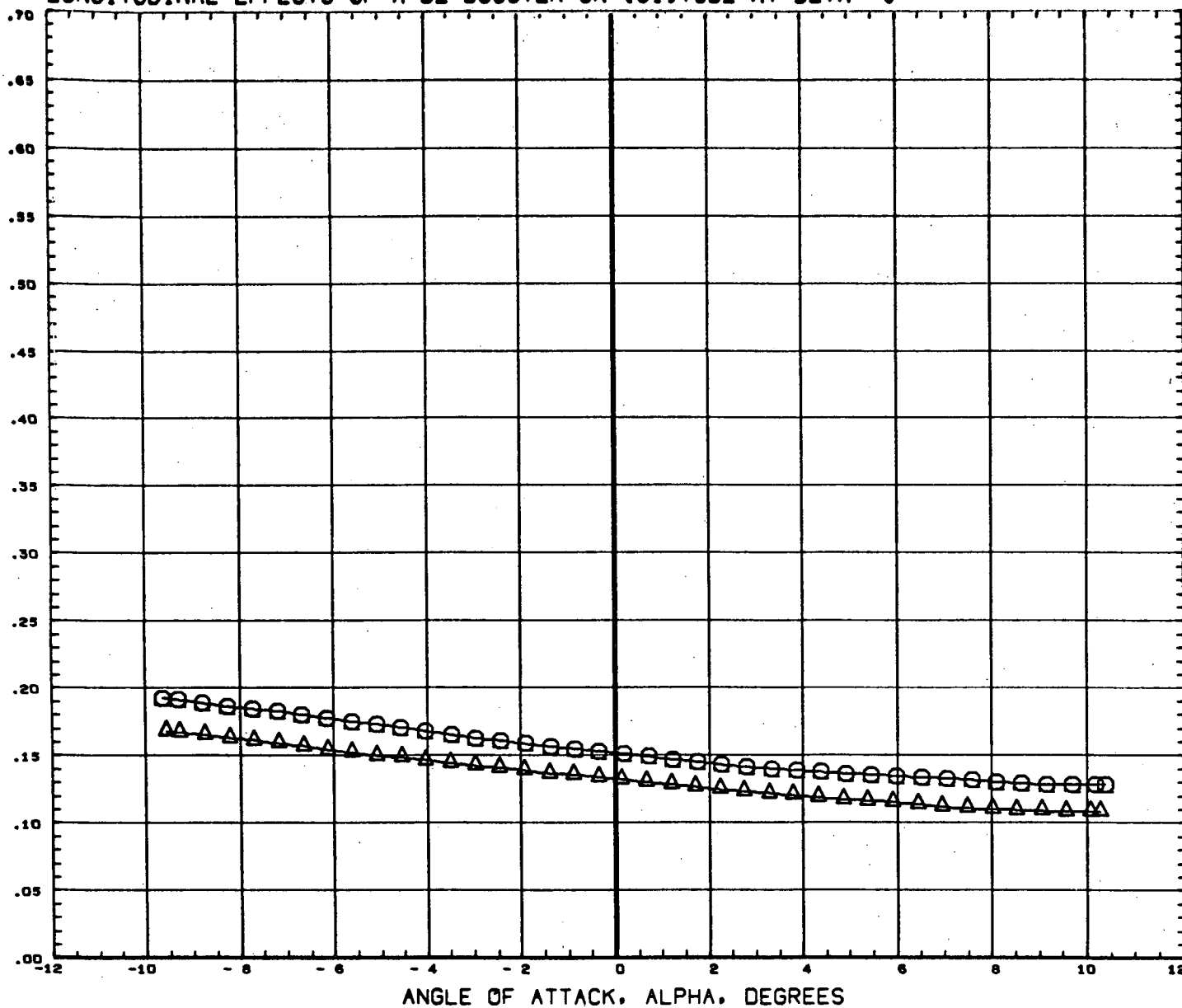
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



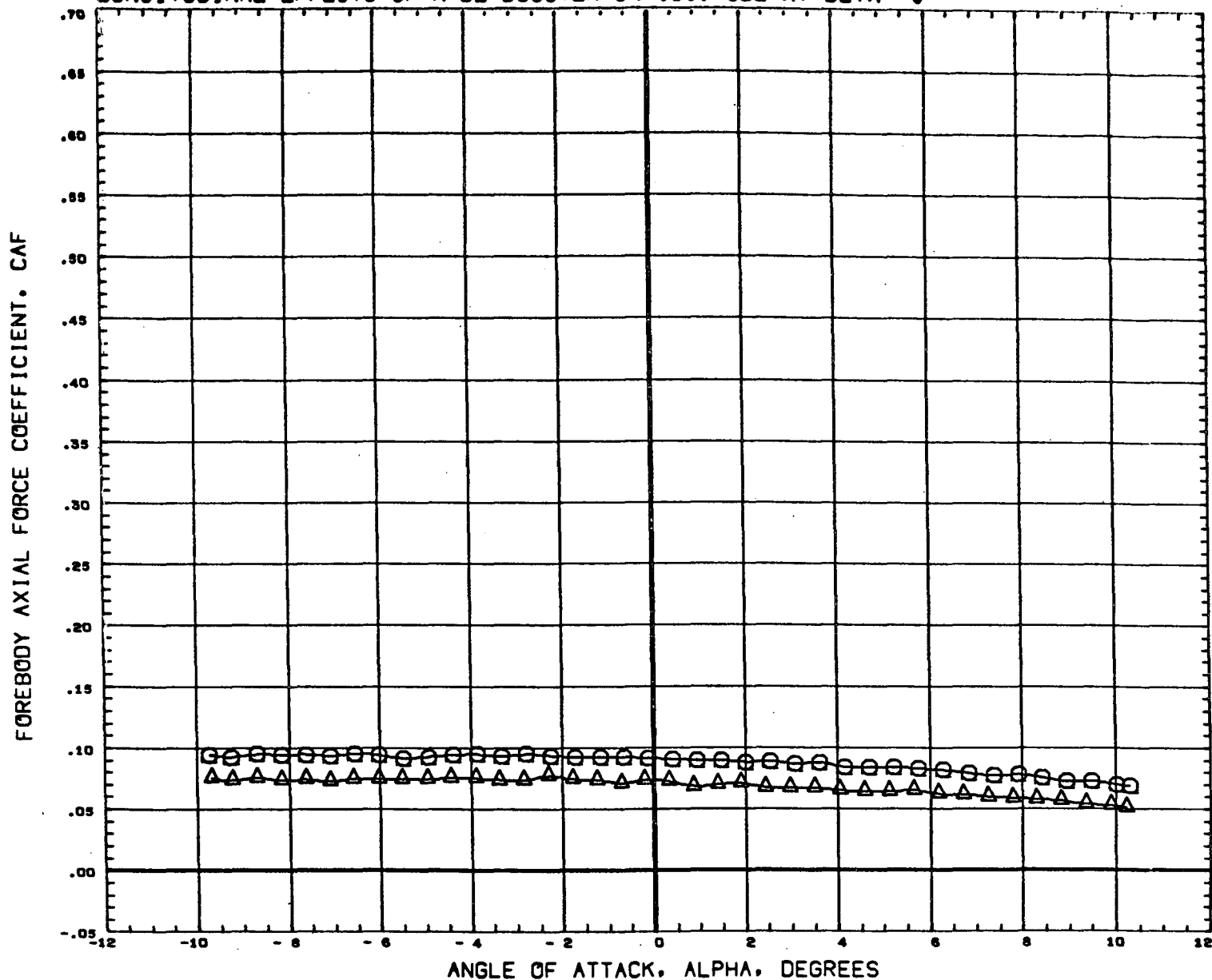
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7482) ○	MDAC S-222 COMPOSITE (T-CG) (01)T3B2
(CD7484) △	MDAC S-222 COMPOSITE (T-CG) (01)T3B2L (B2R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRF 557.0004 IN.
				YMRF 0.0000 IN.
				ZMRF 200.0004 IN.
				SCALE 0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

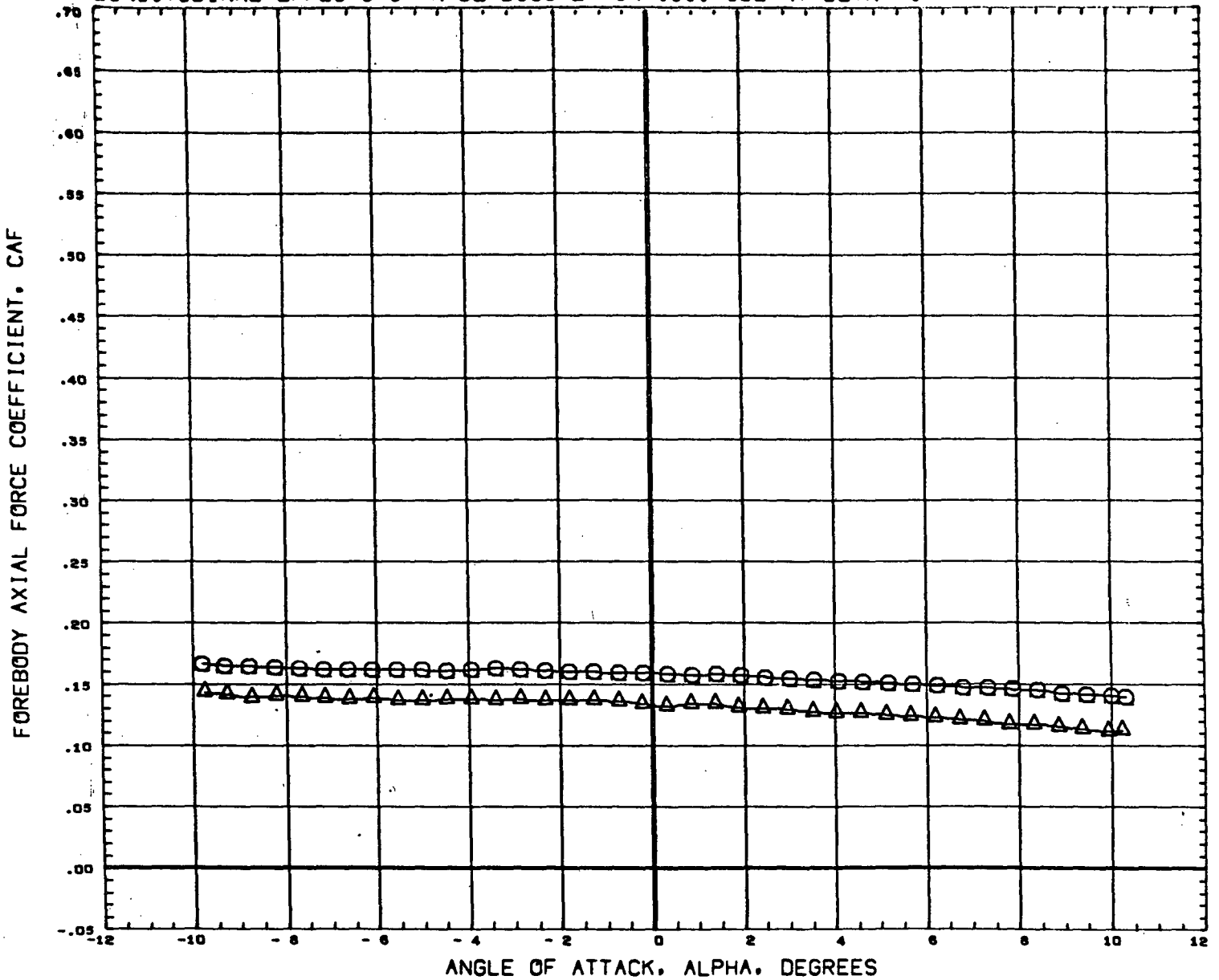


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0

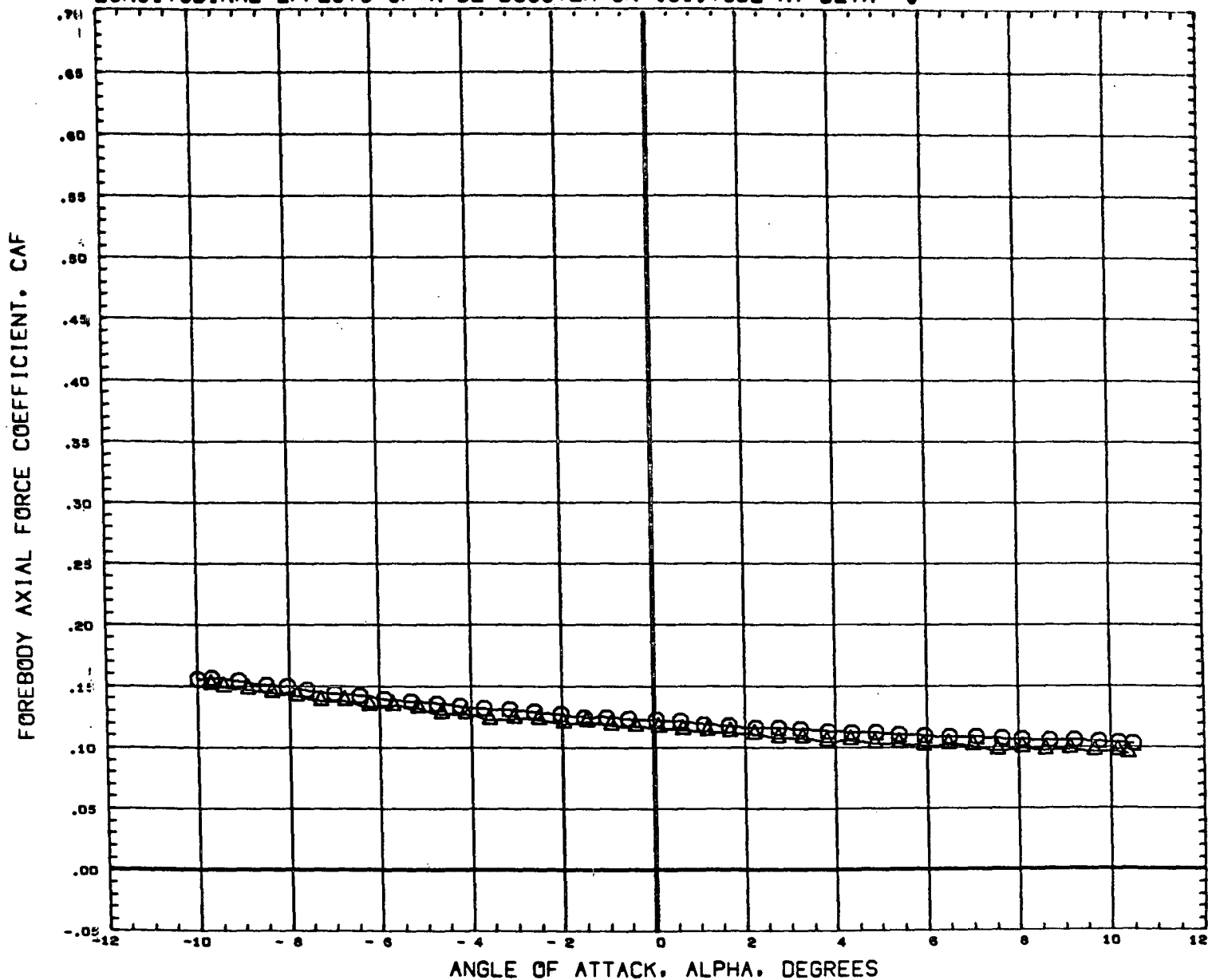


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-C6) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-C6) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



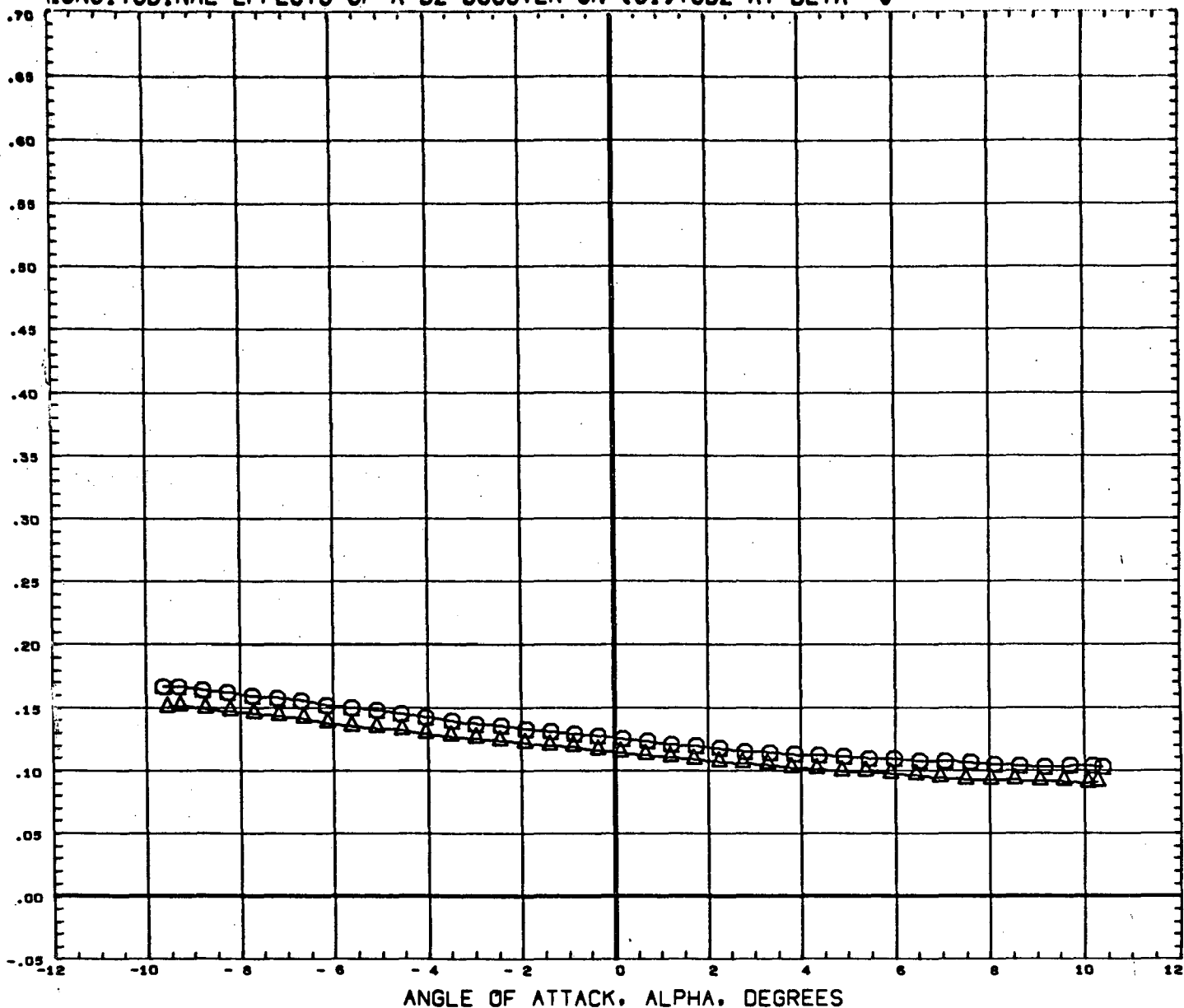
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

FOREBODY AXIAL FORCE COEFFICIENT, CAF

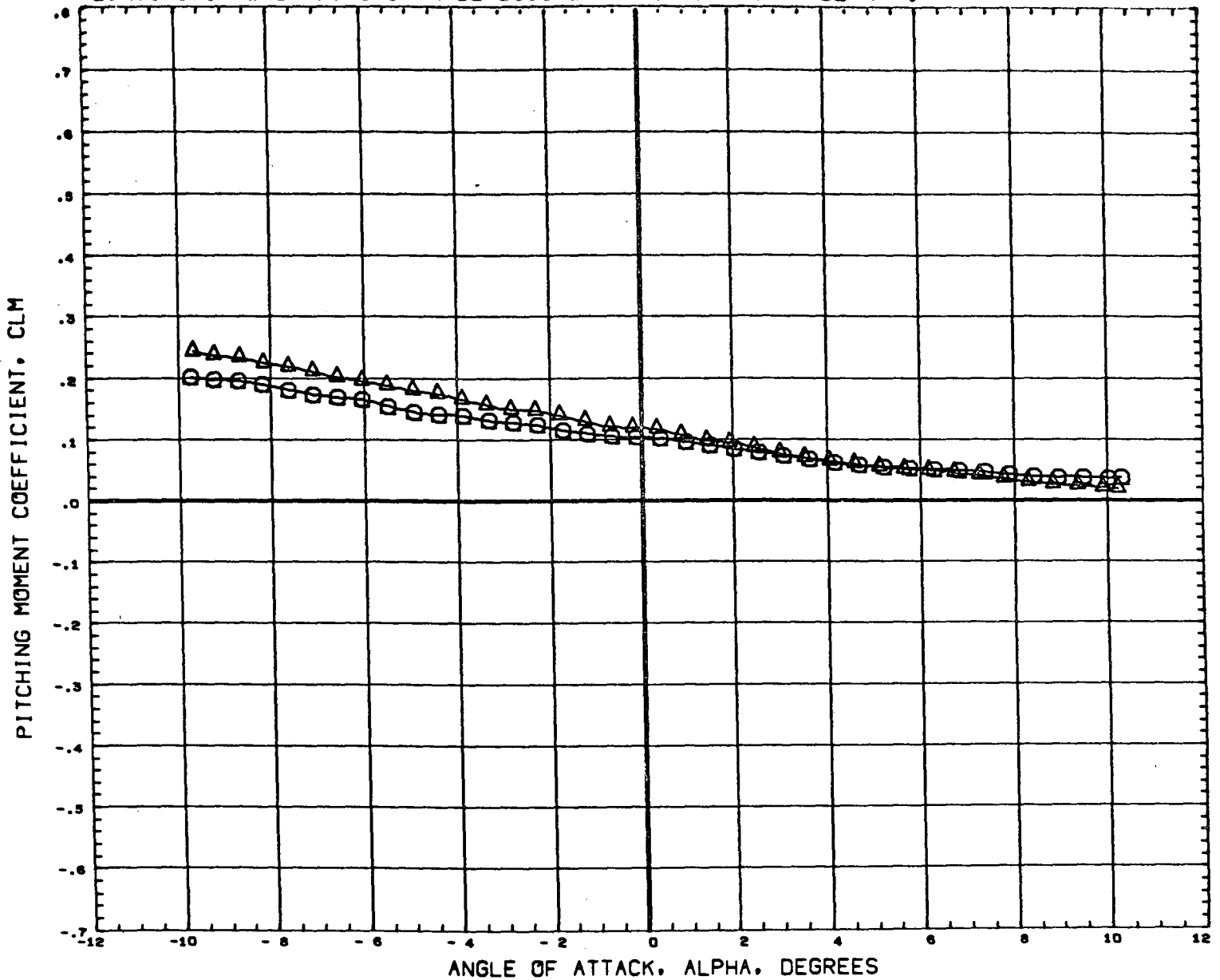


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

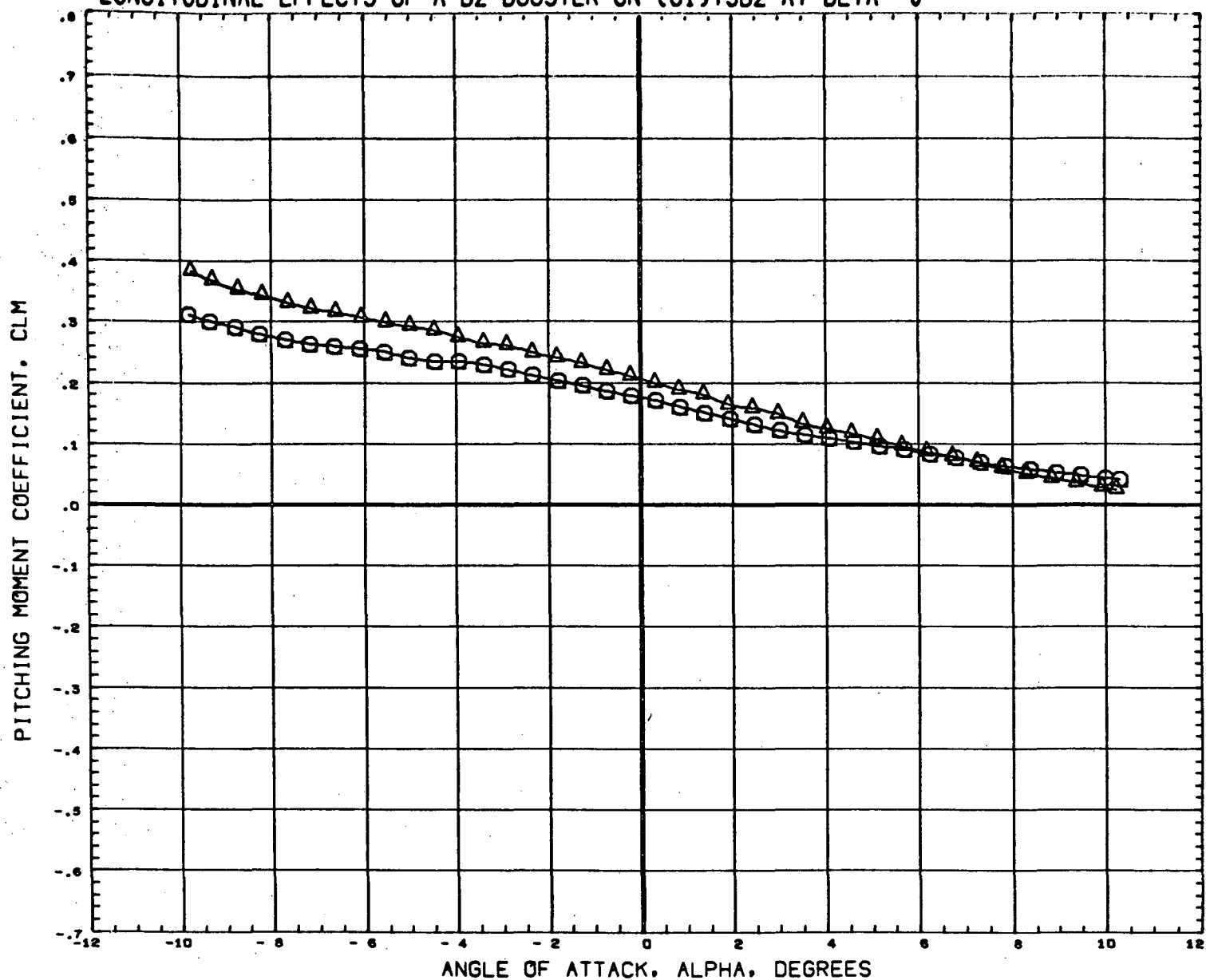


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0



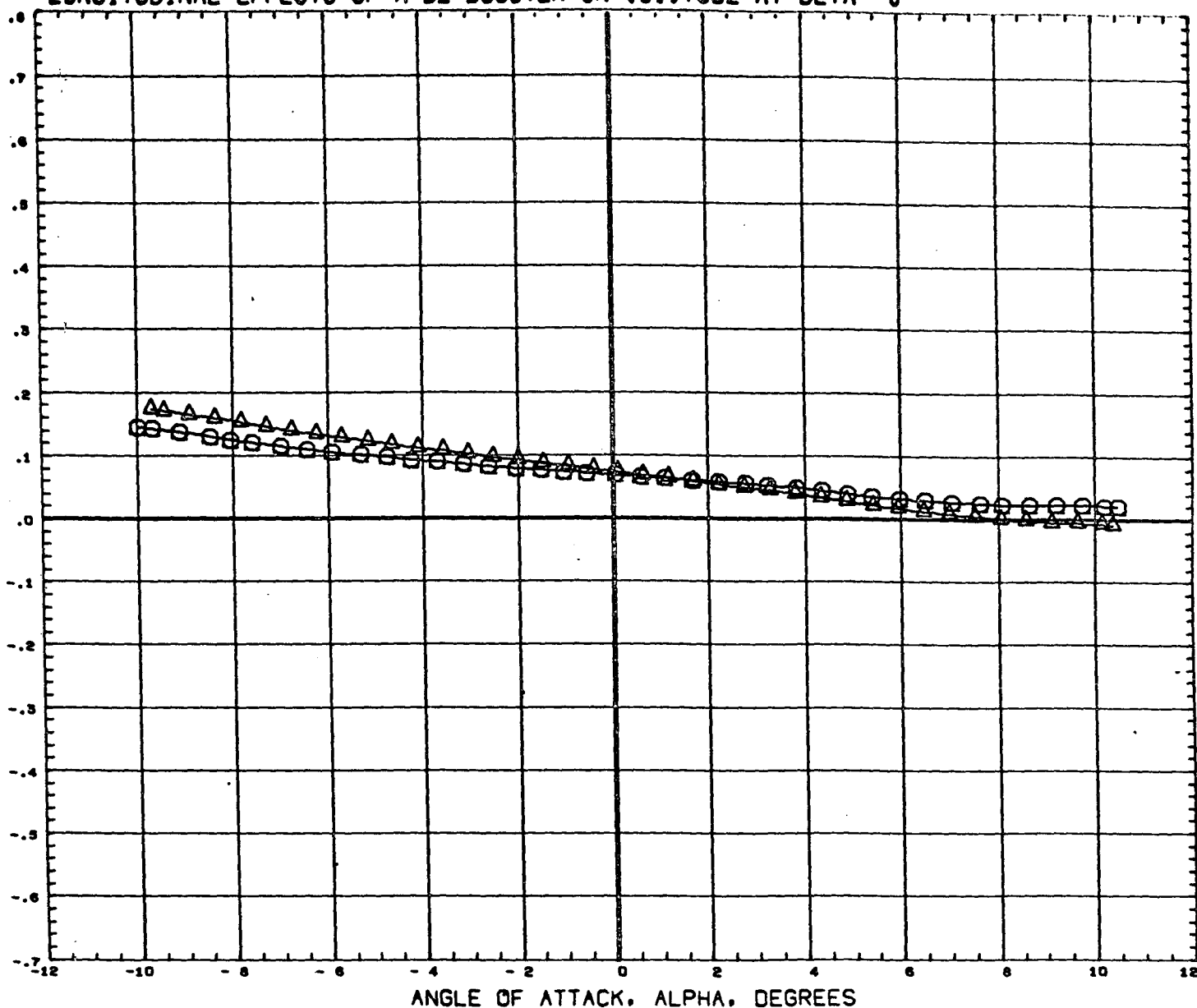
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T382 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM

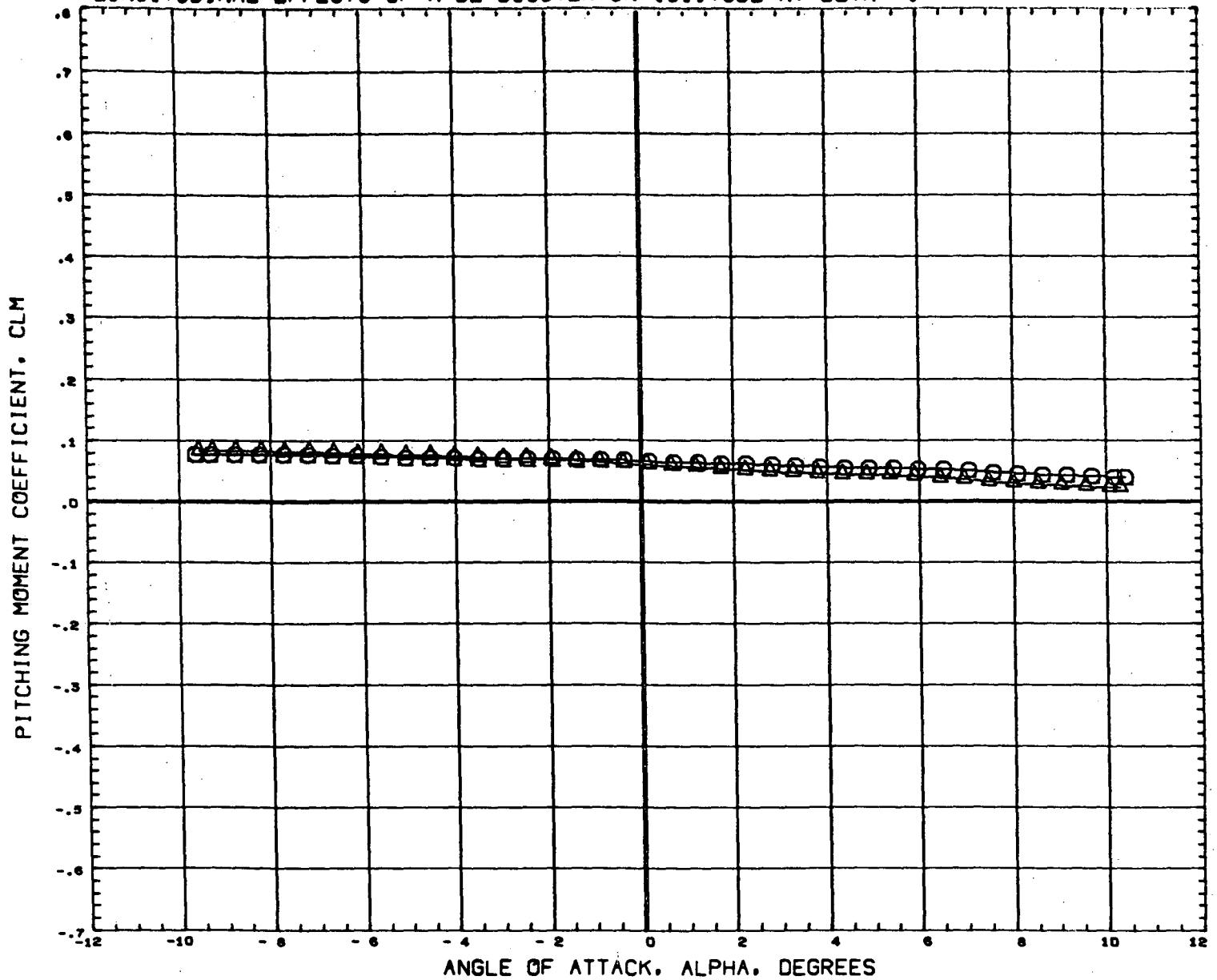


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T382	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T382L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0

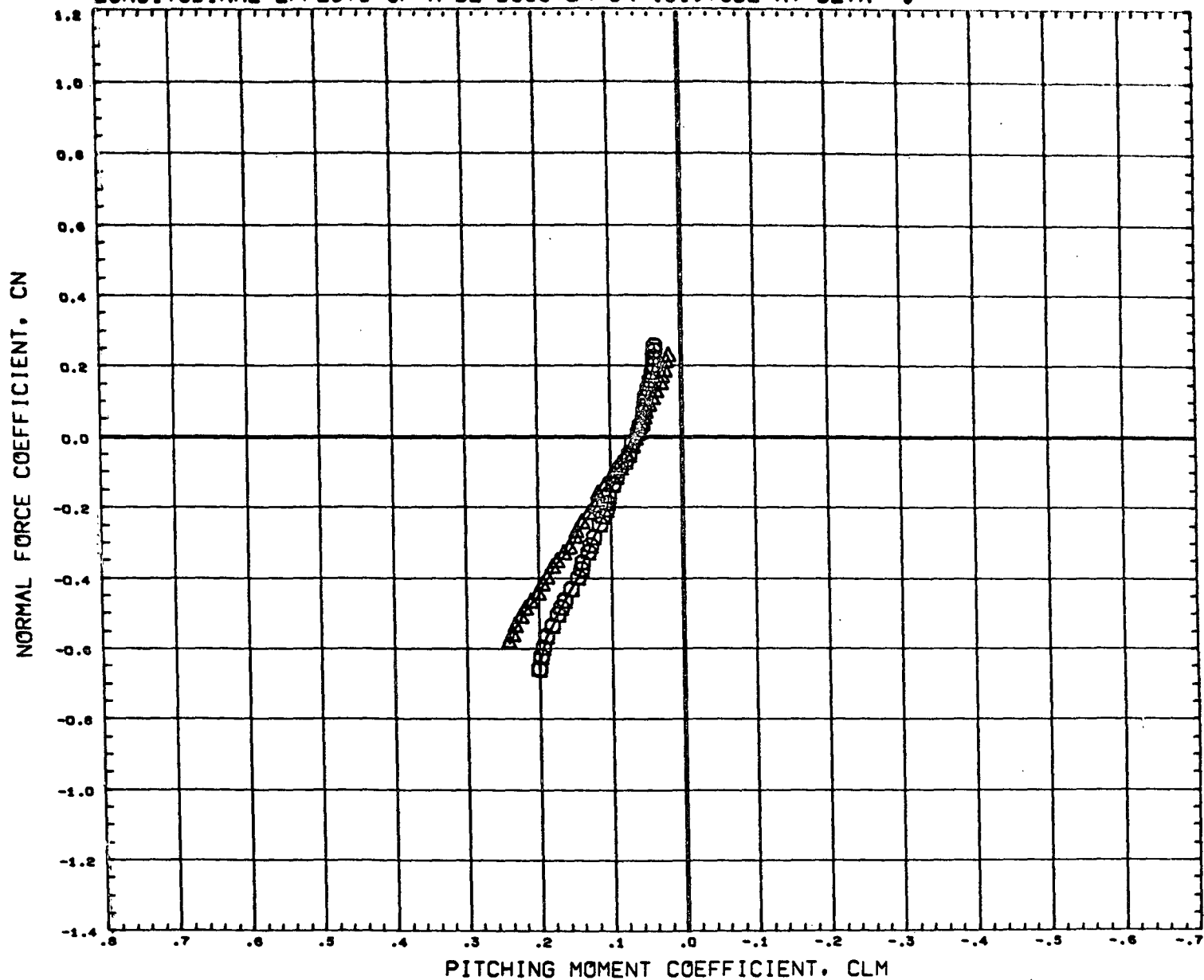


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

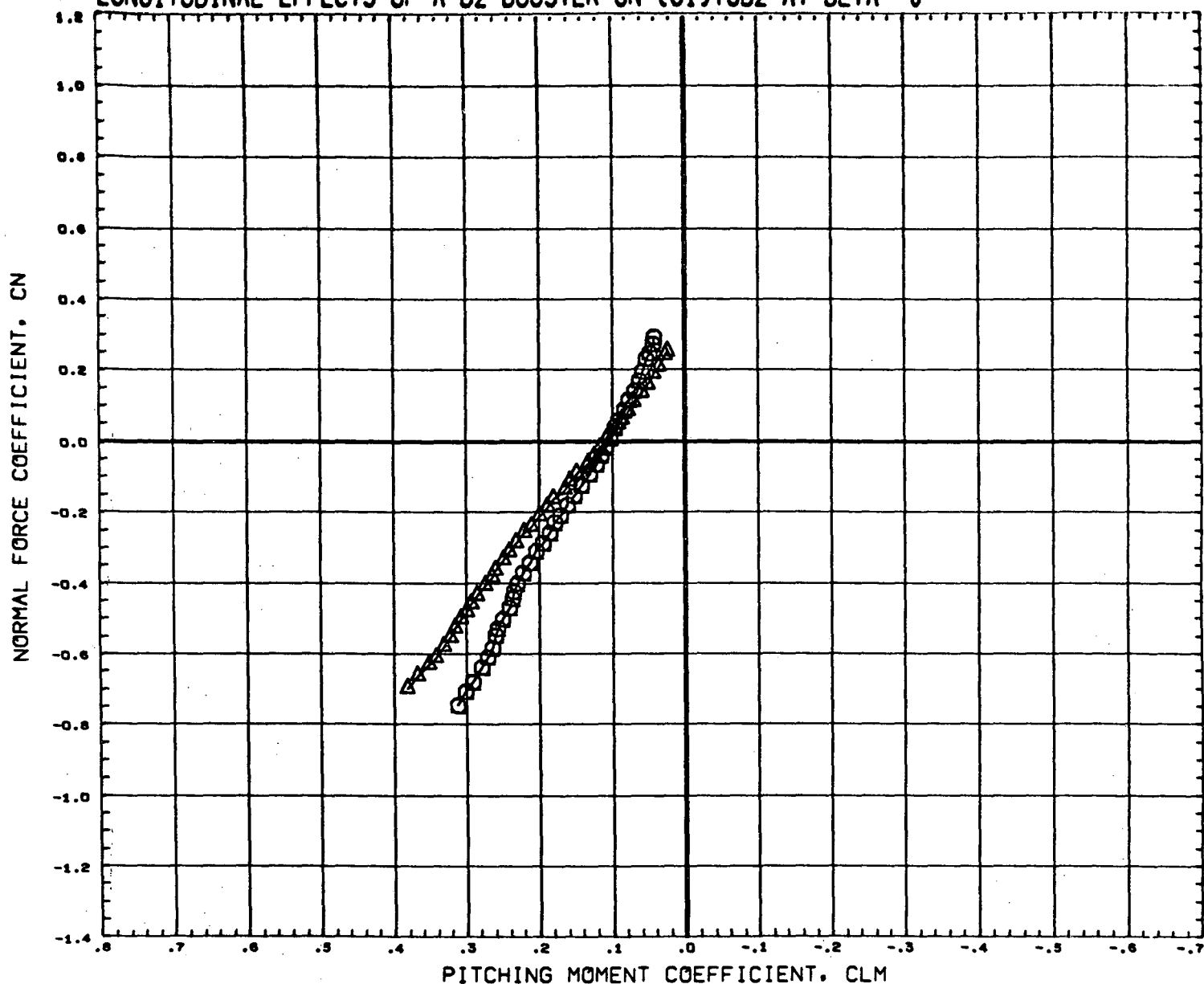


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2
(CD7464)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2L (B2R)

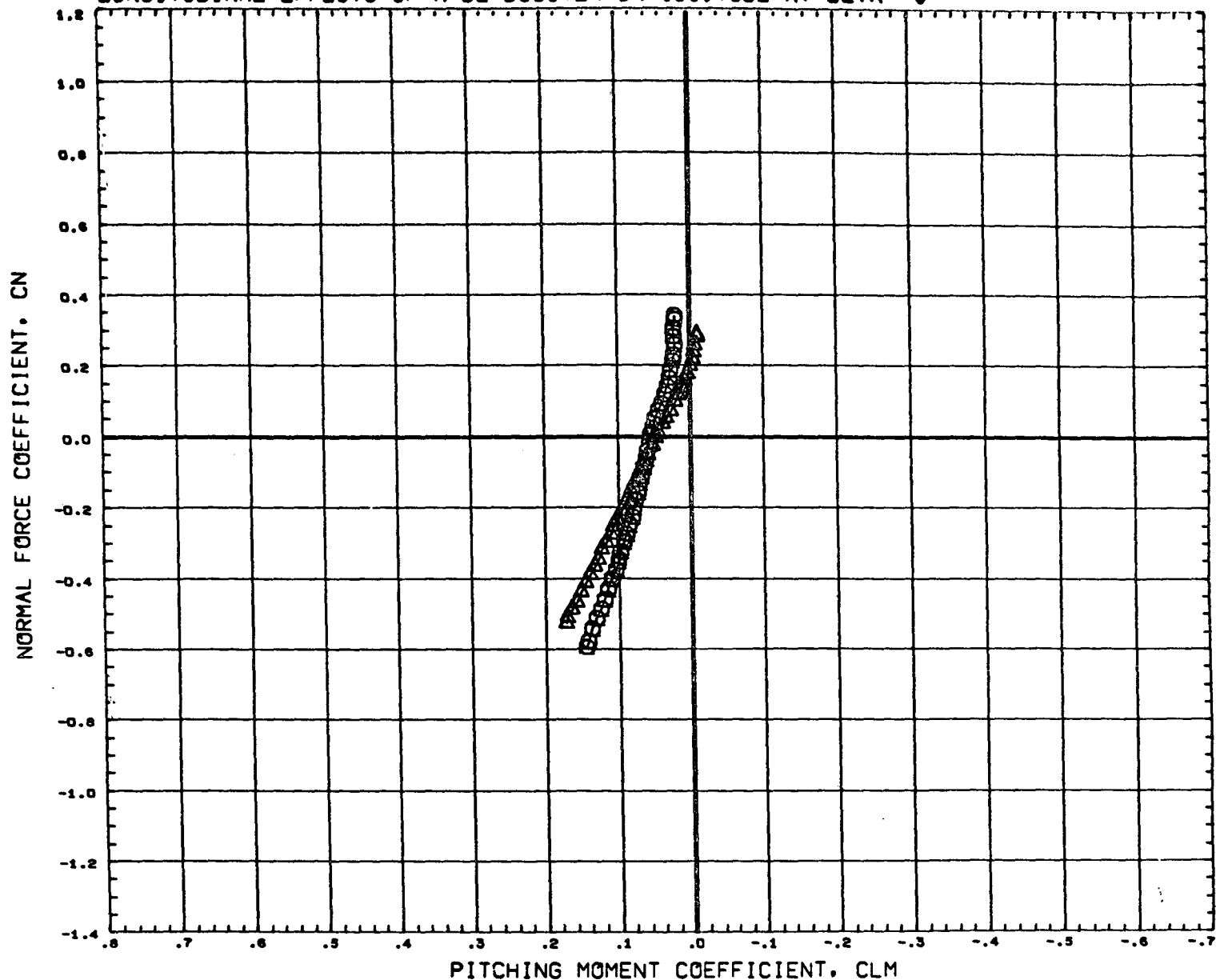
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

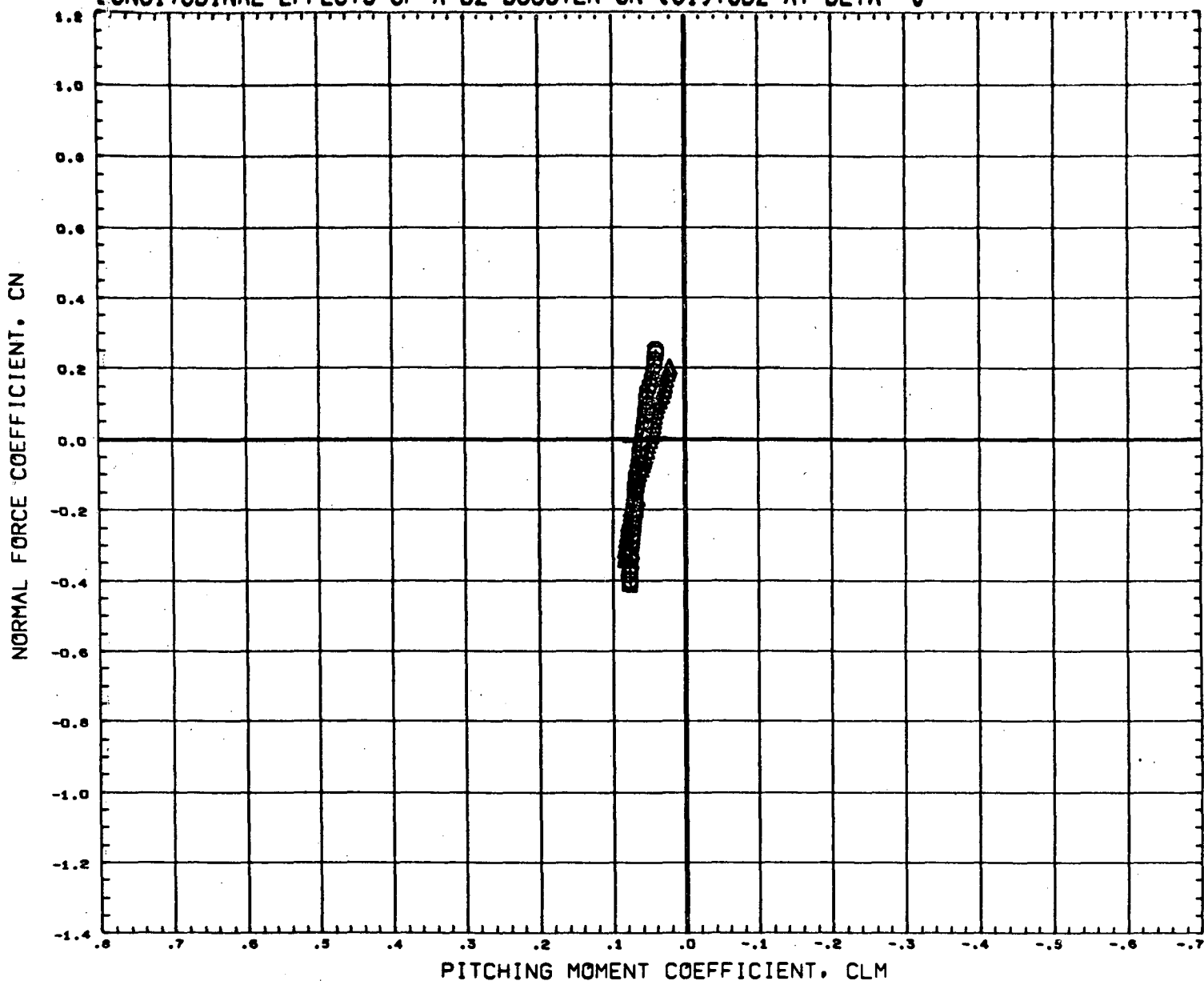


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0



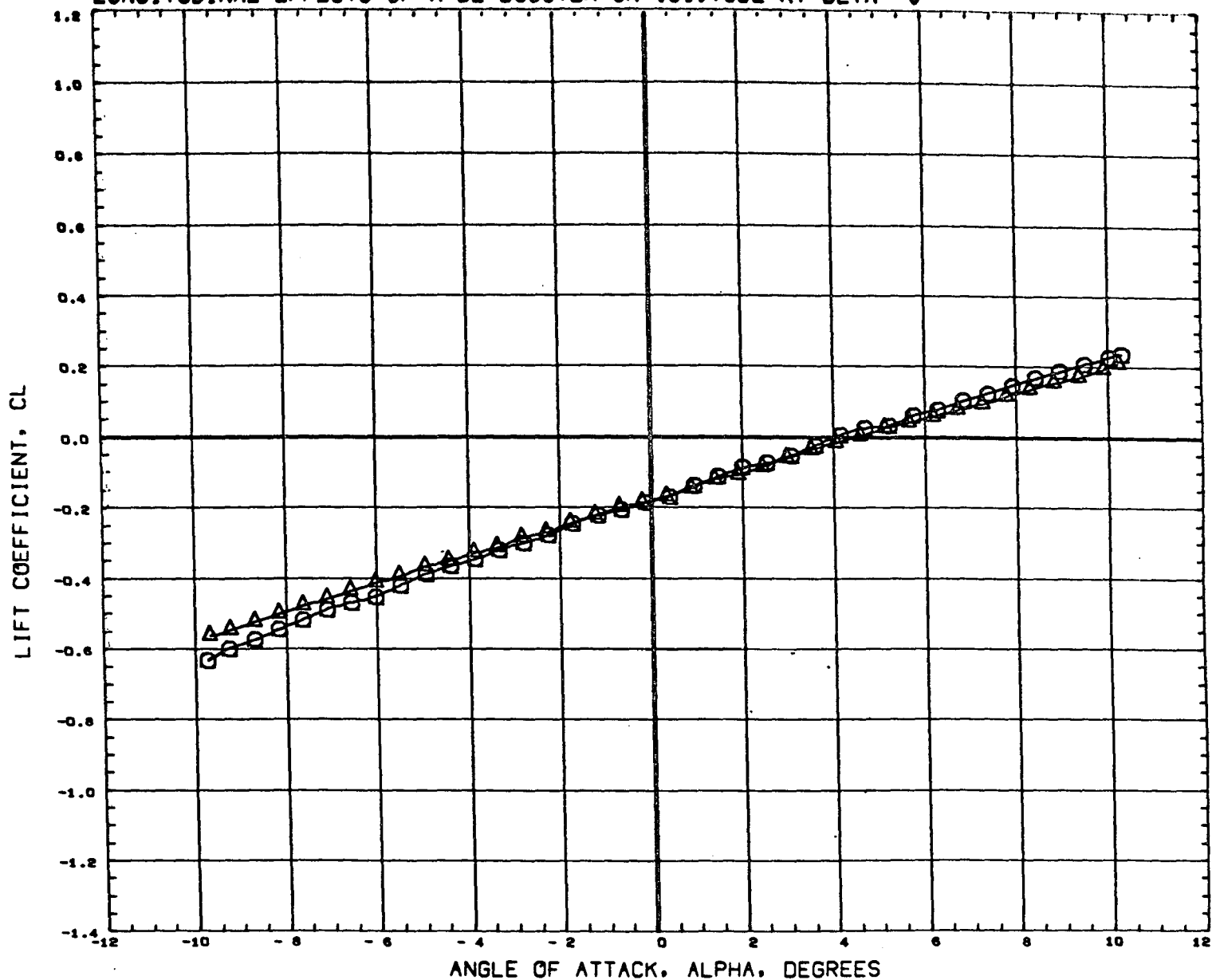
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH

4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

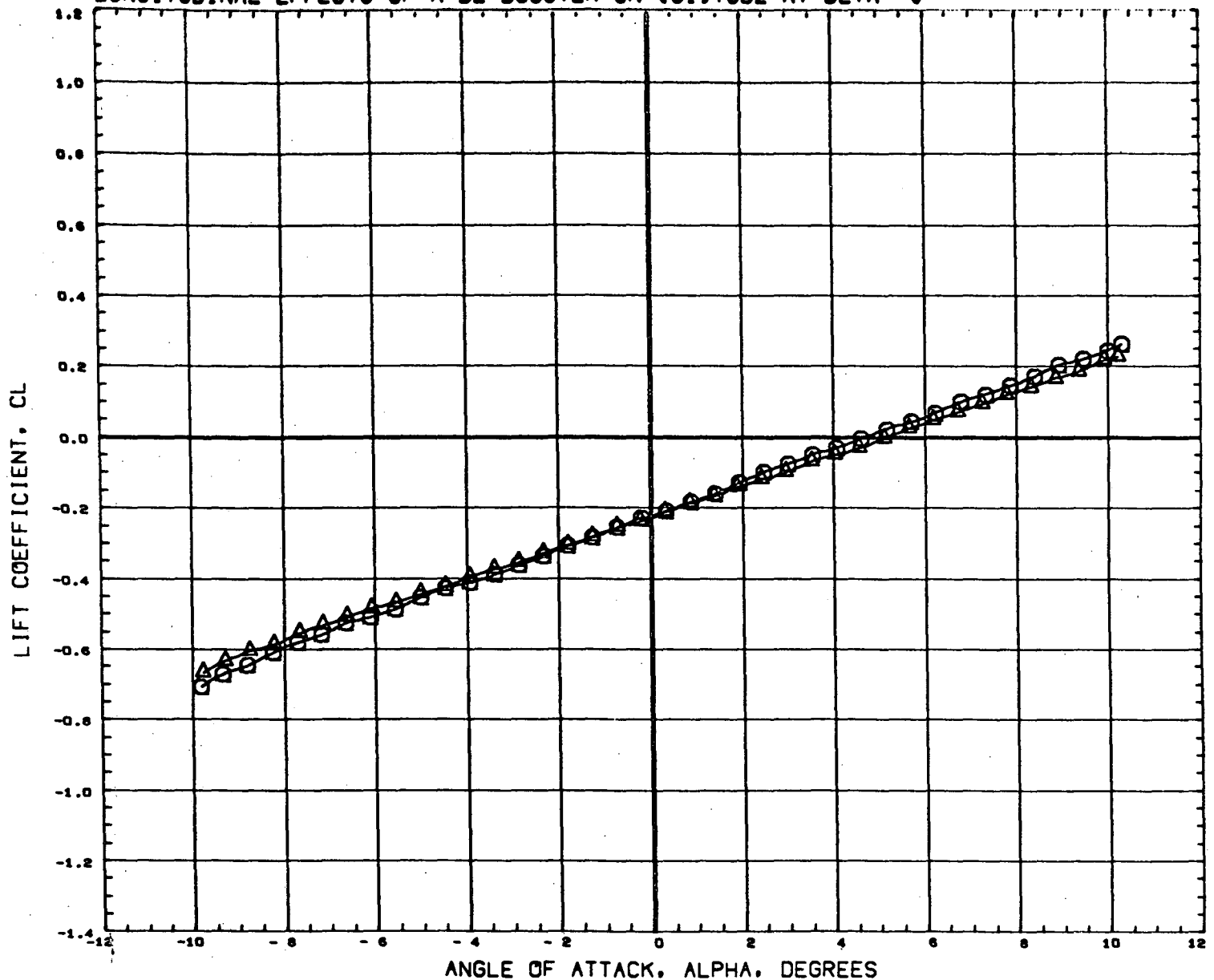


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-C6) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-C6) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

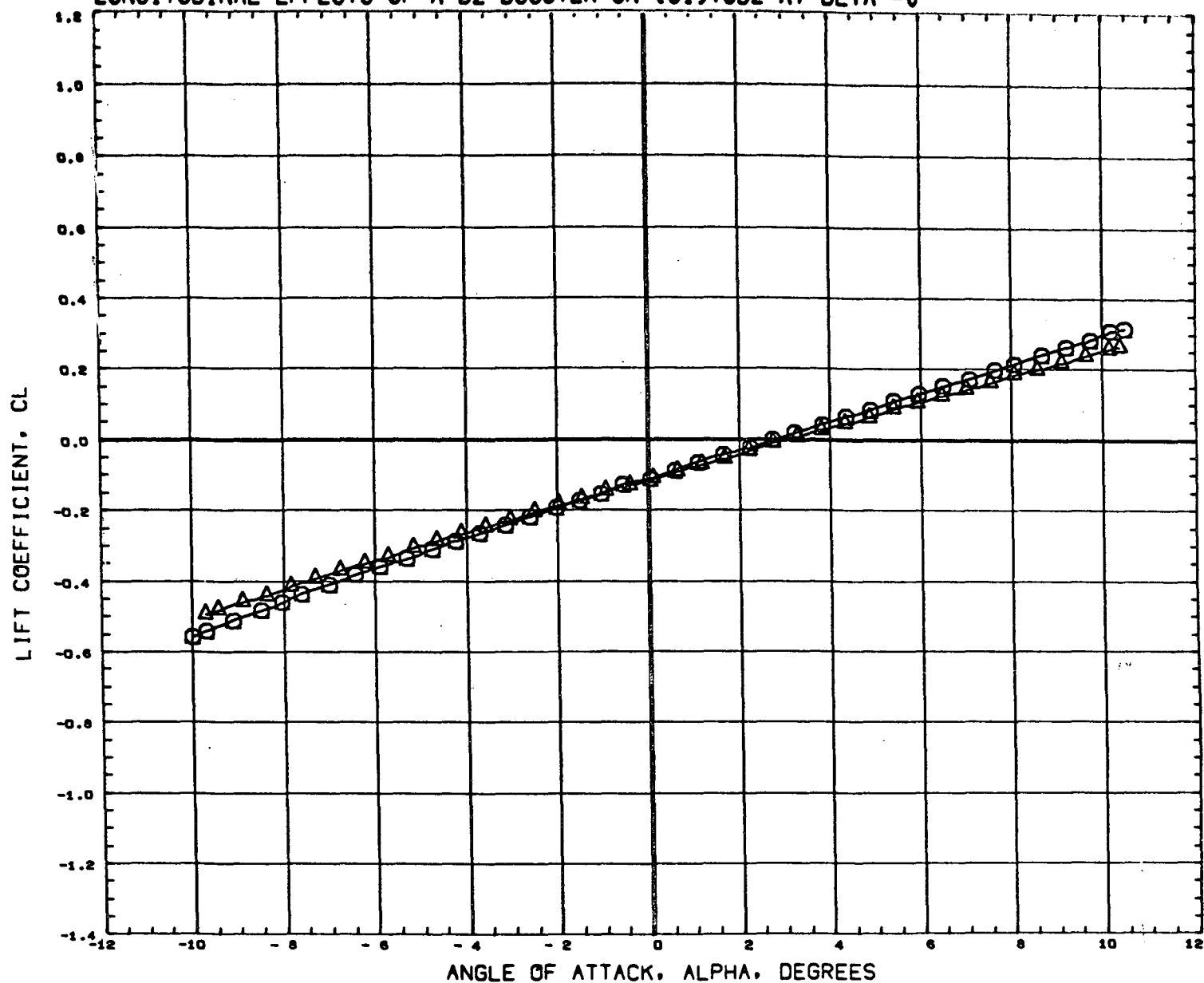


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	Q MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	Q MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0

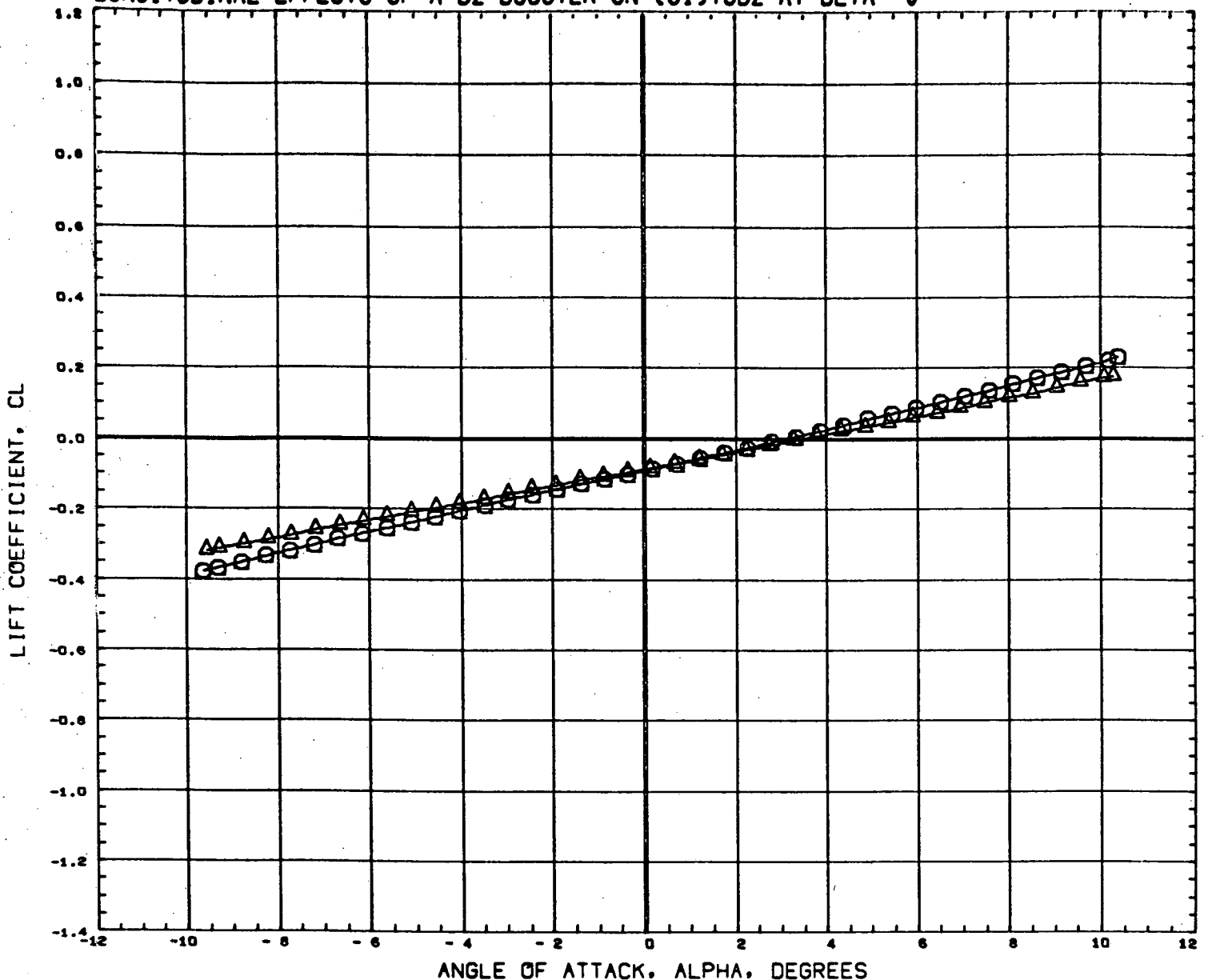


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0



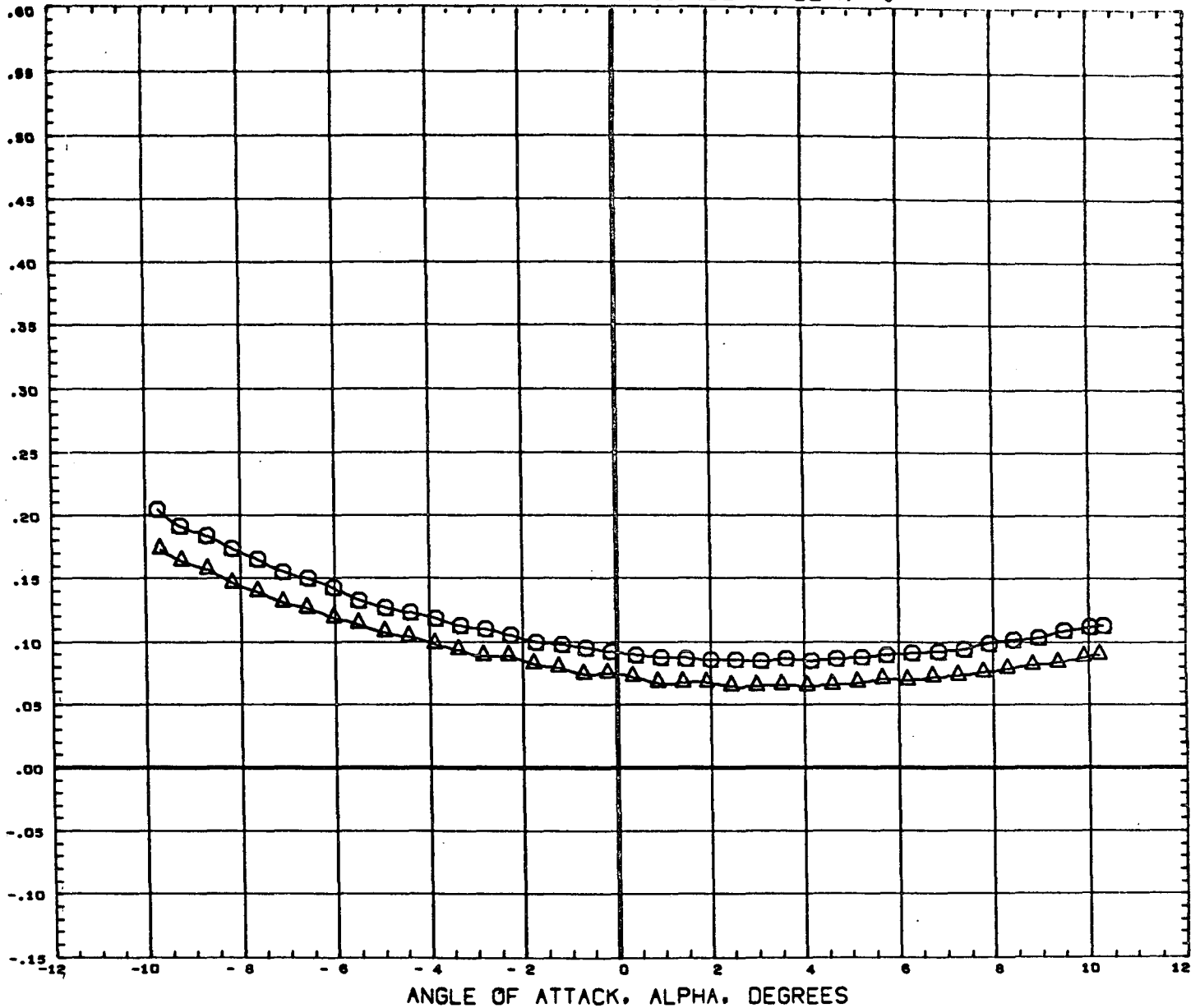
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

FOREBODY DRAG COEFFICIENT, CDF



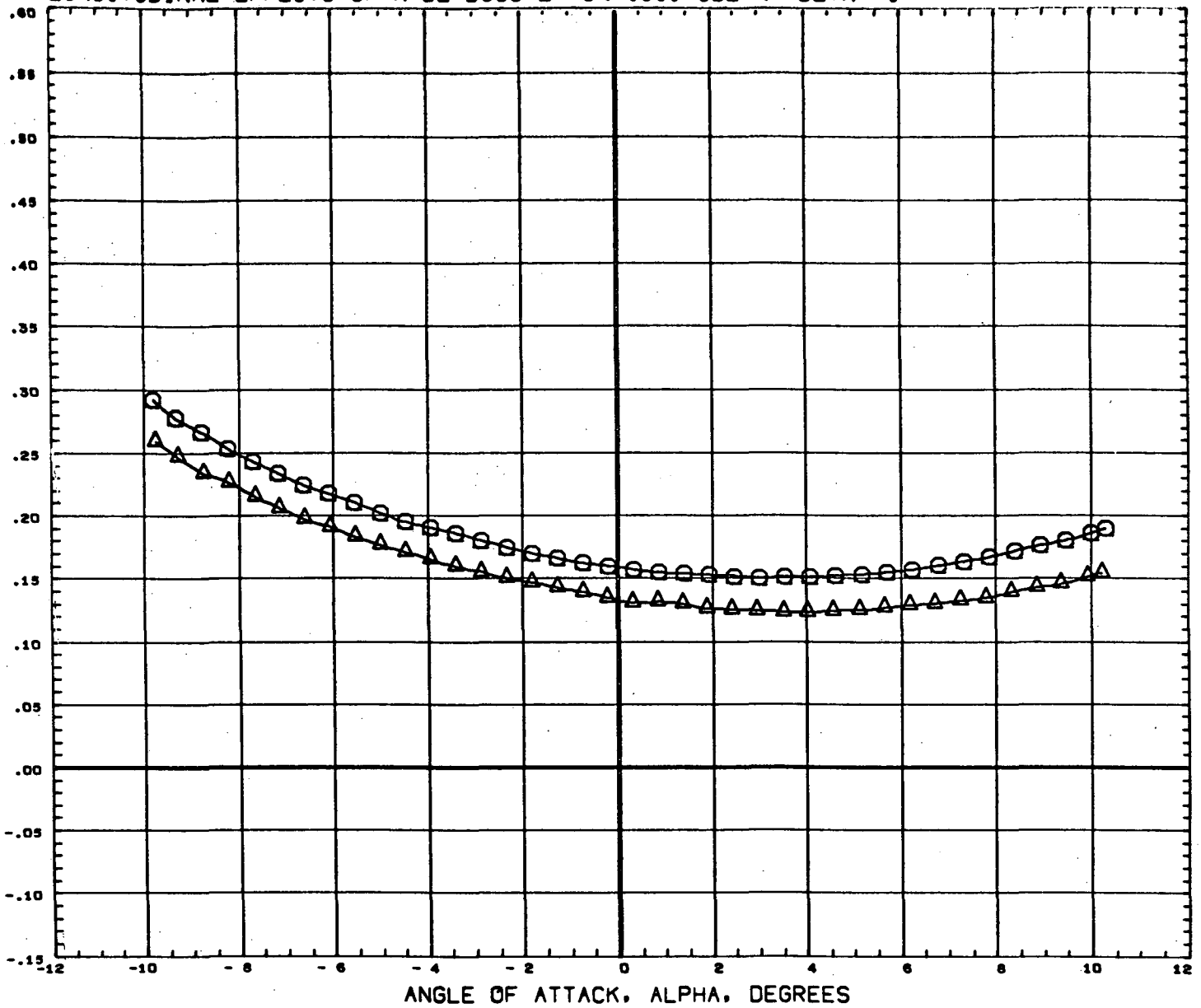
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF

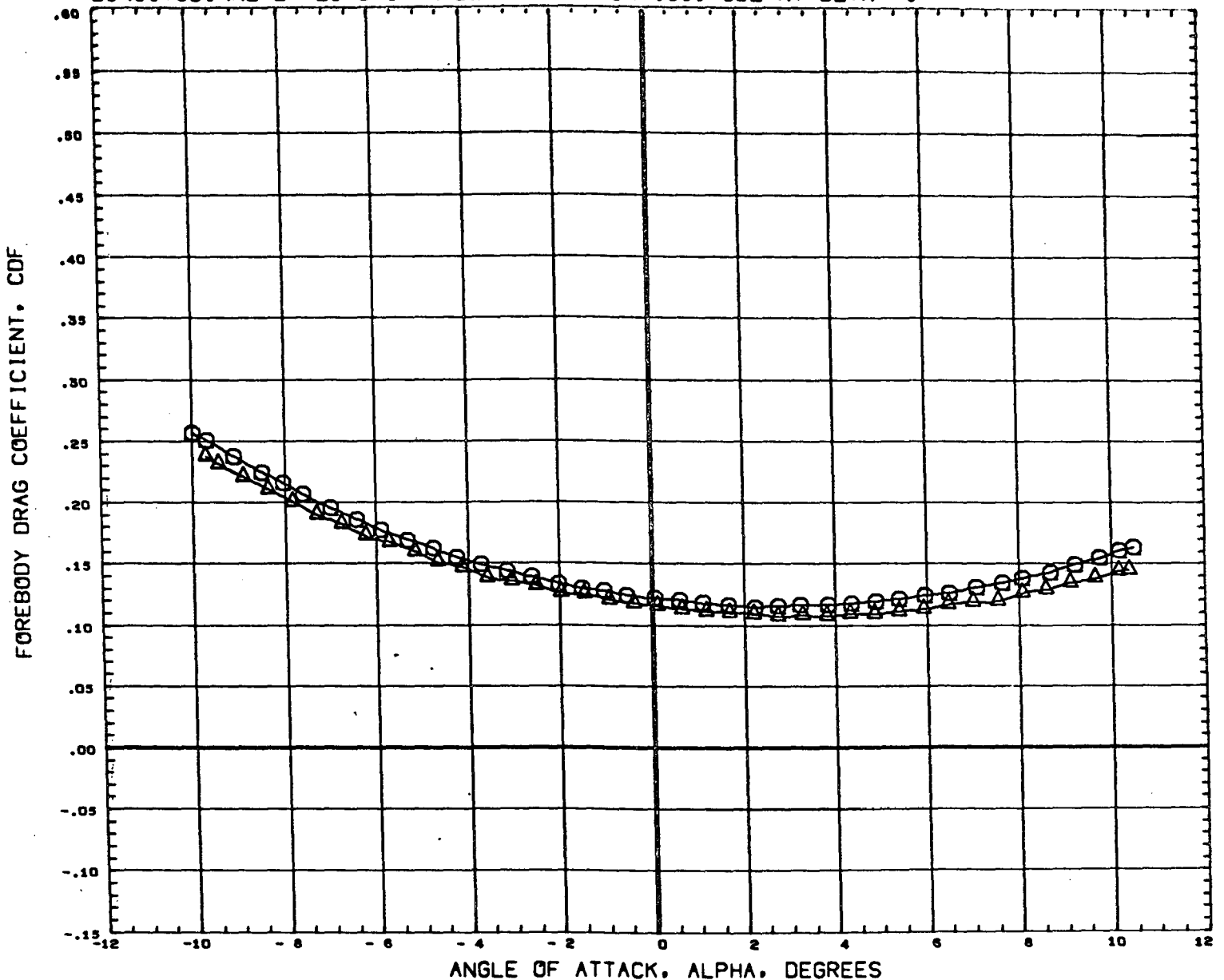


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



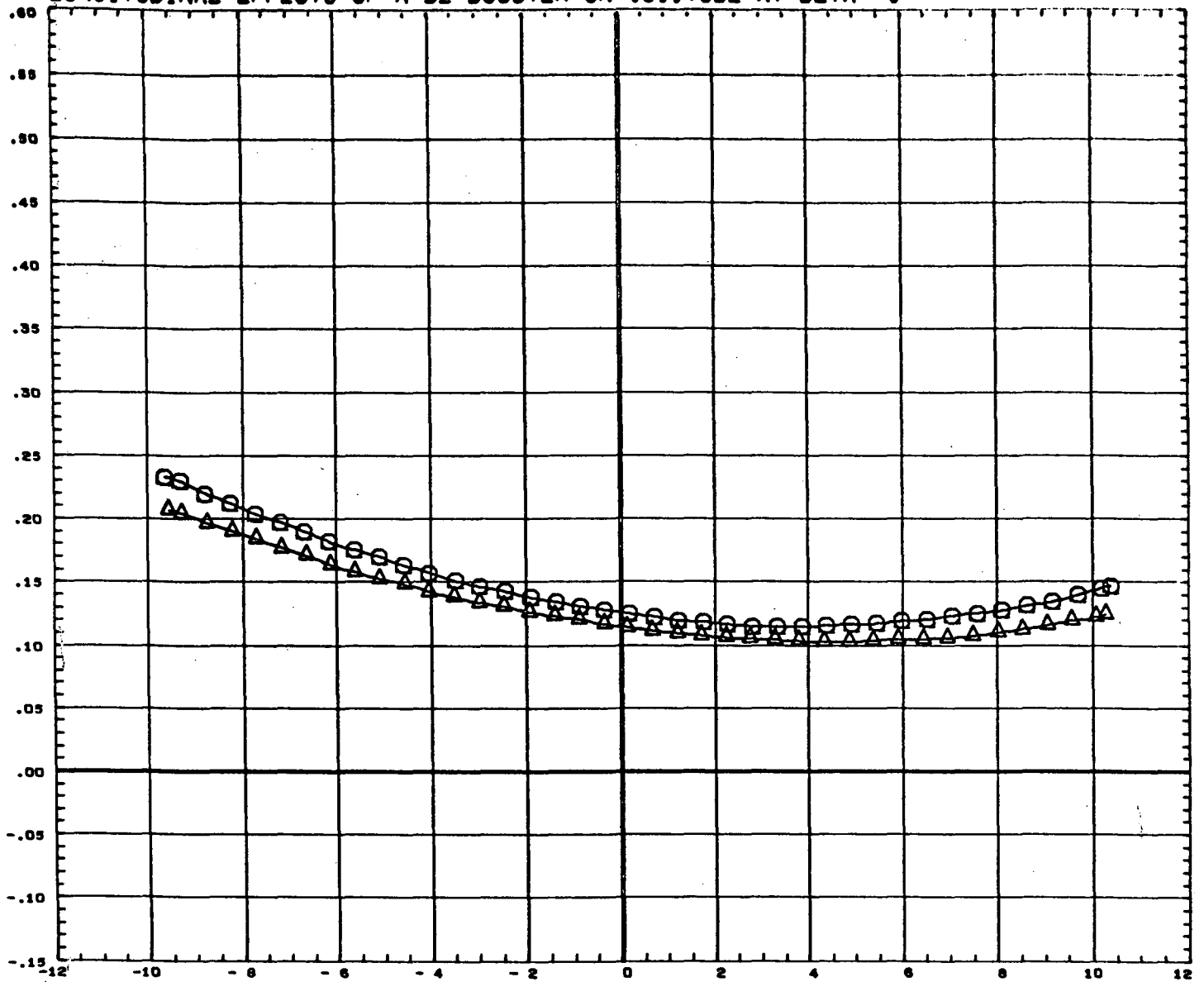
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7462)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7464)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

FOREBODY DRAG COEFFICIENT, CDF



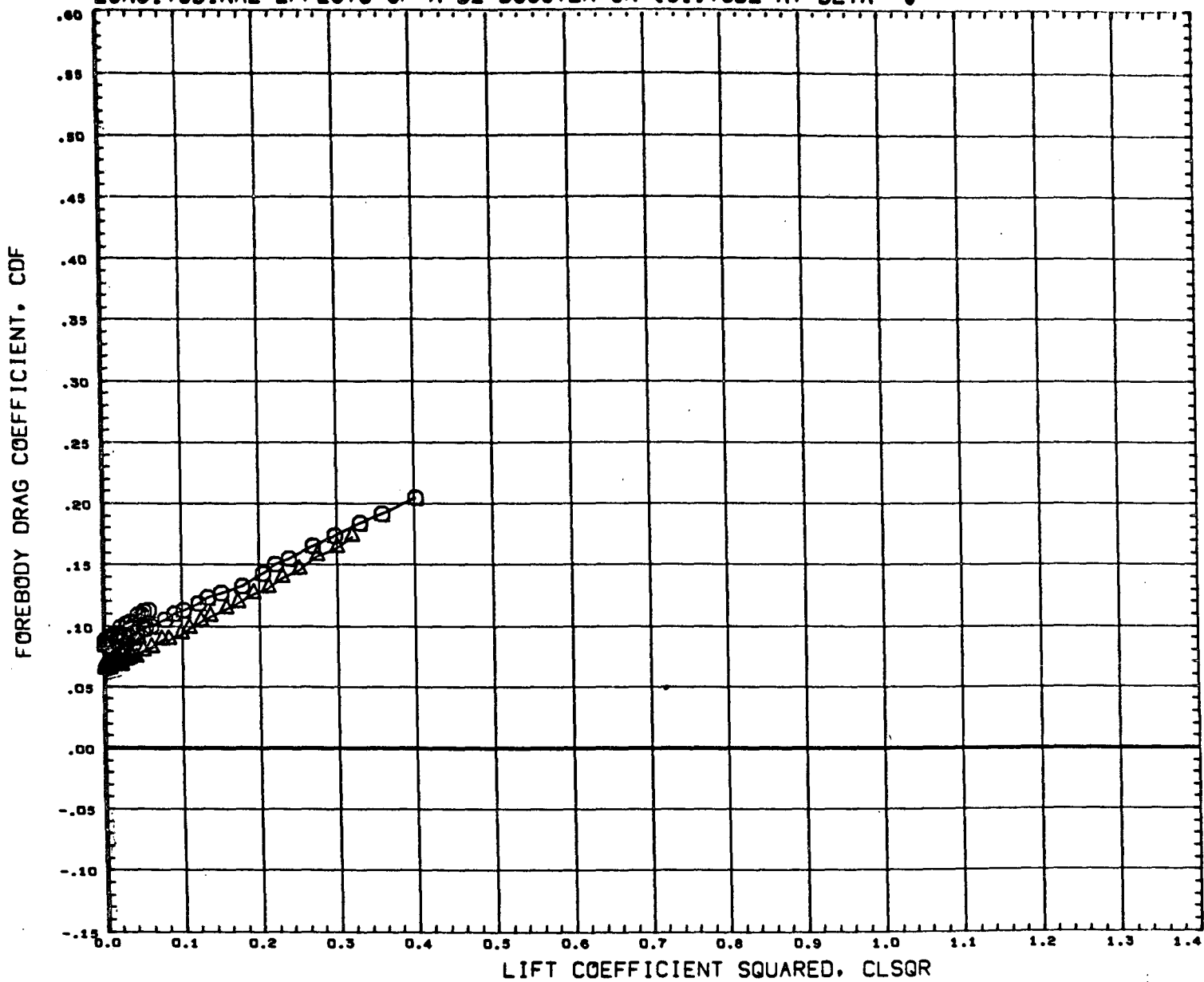
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7482) ○	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2
(CD7484) △	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C07482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2
(C07484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

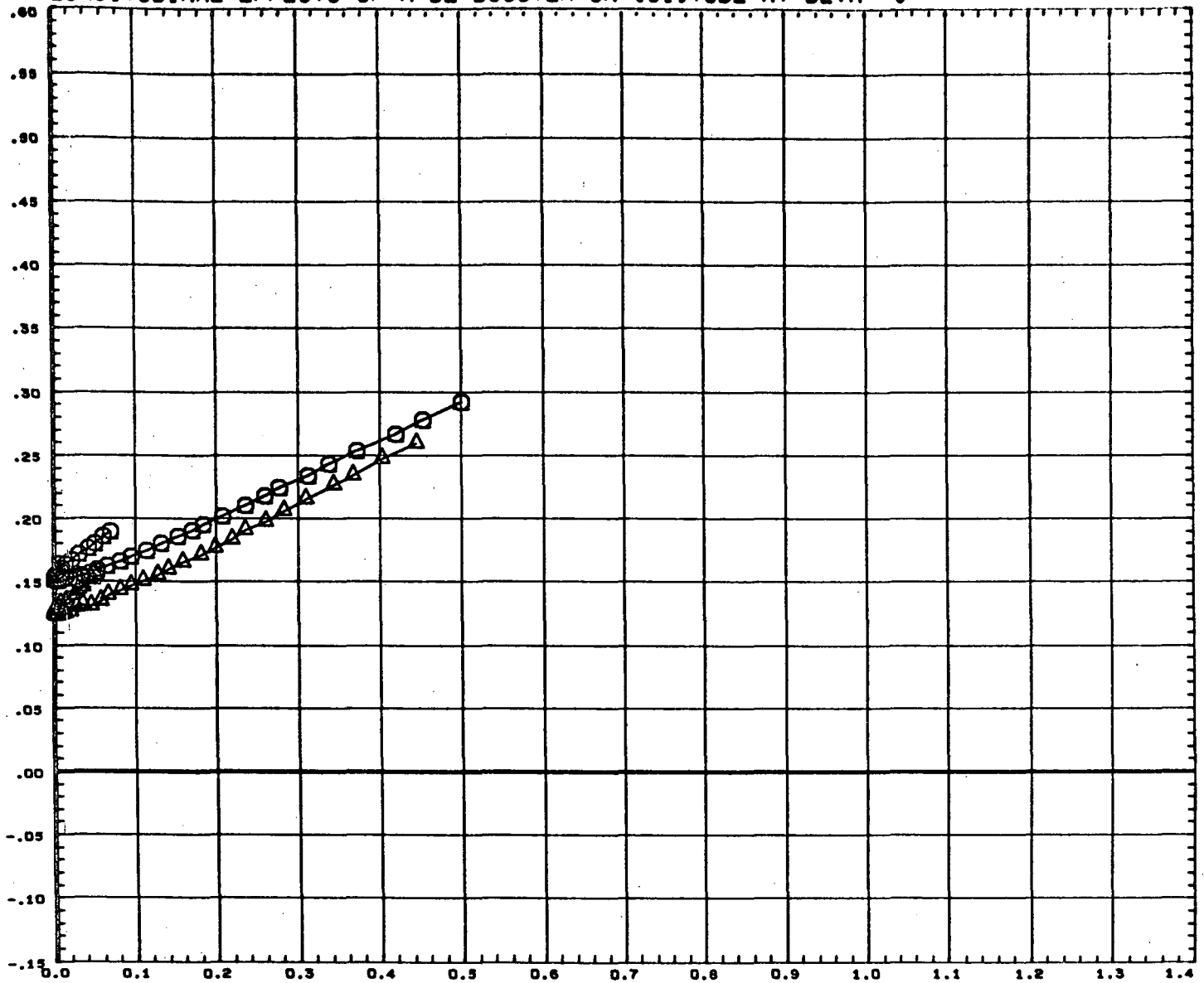
MACH

.90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

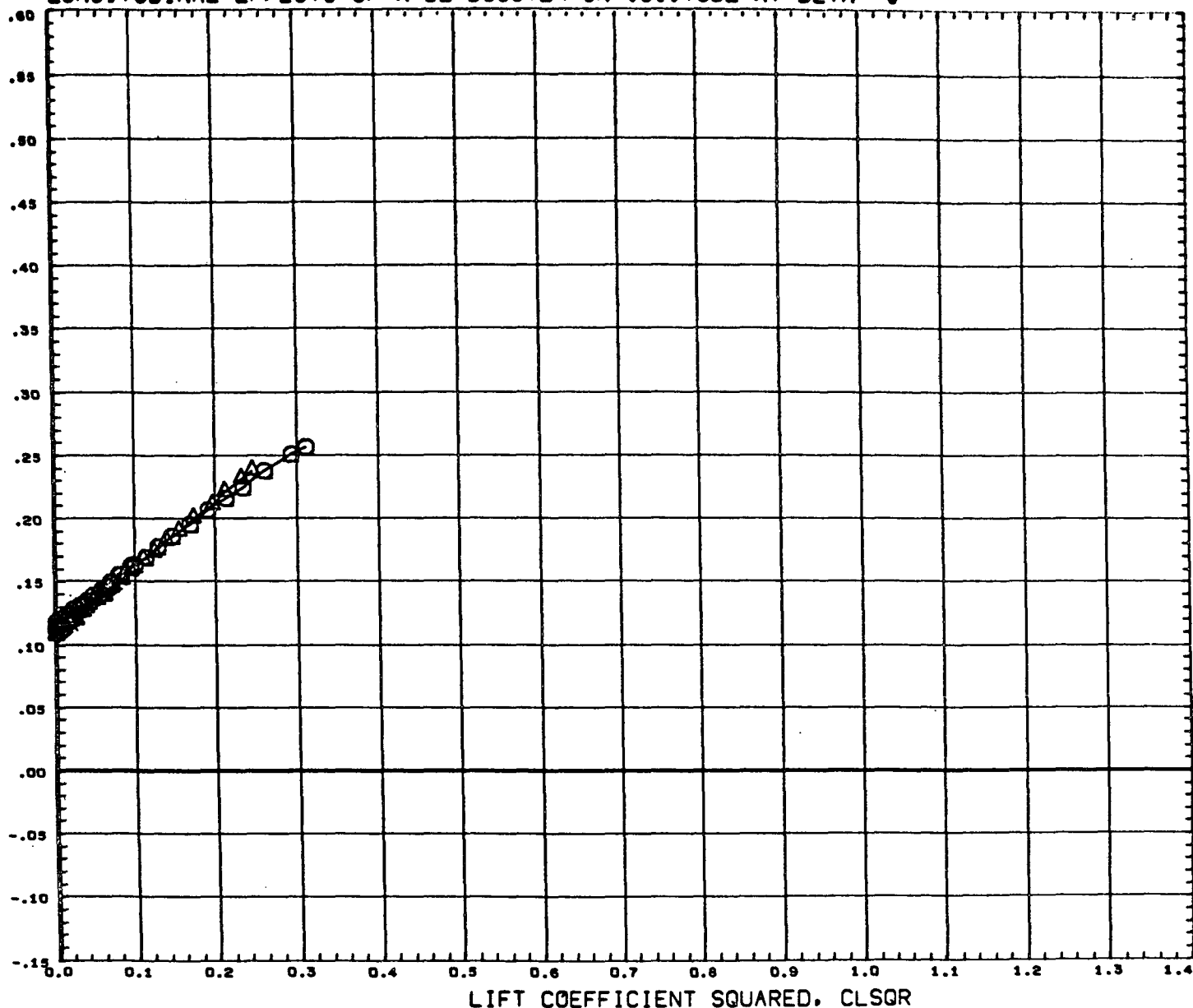
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7482) ○	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2
(CD7484) △	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)

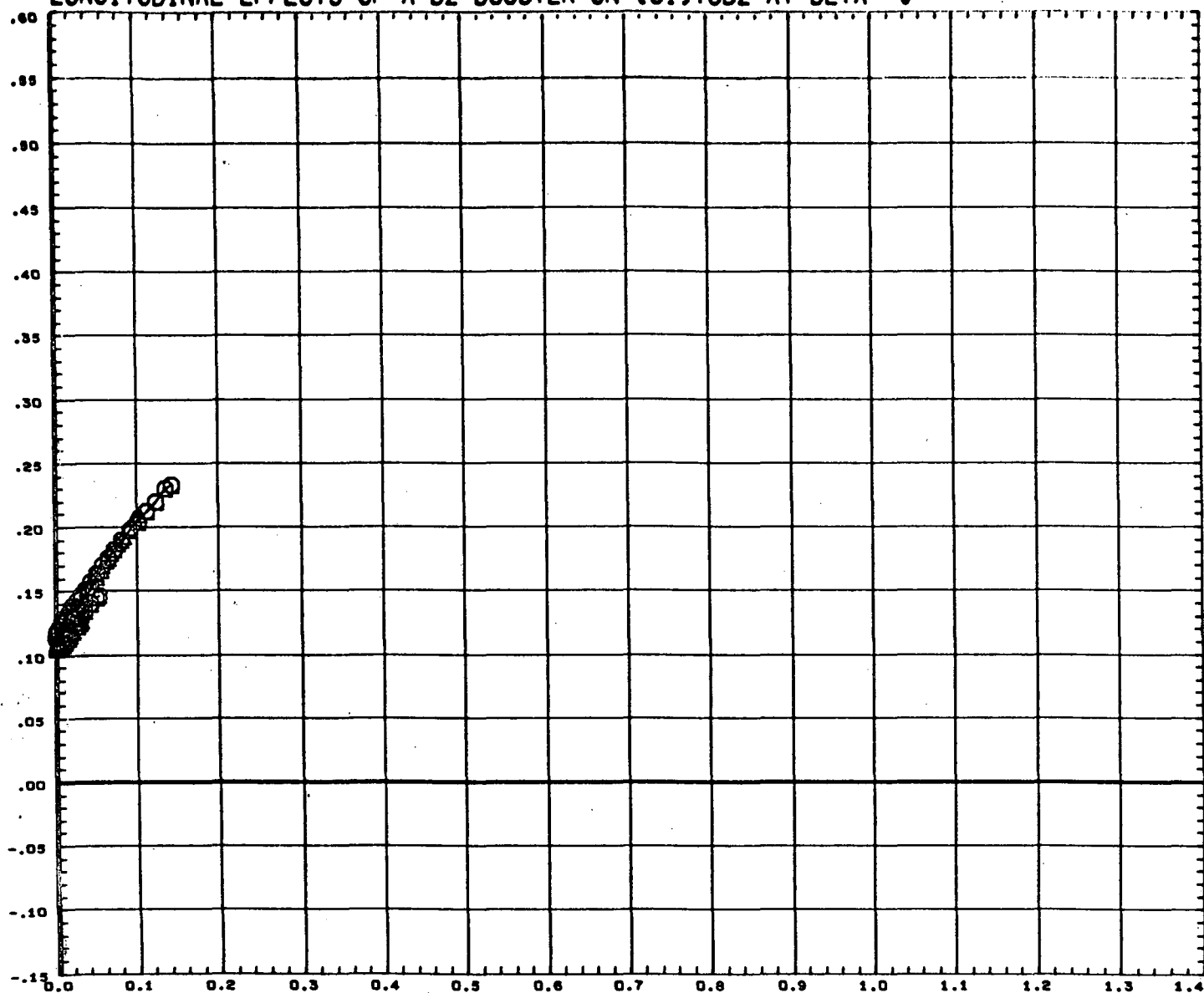
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0

FOREBODY DRAG COEFFICIENT, CDF



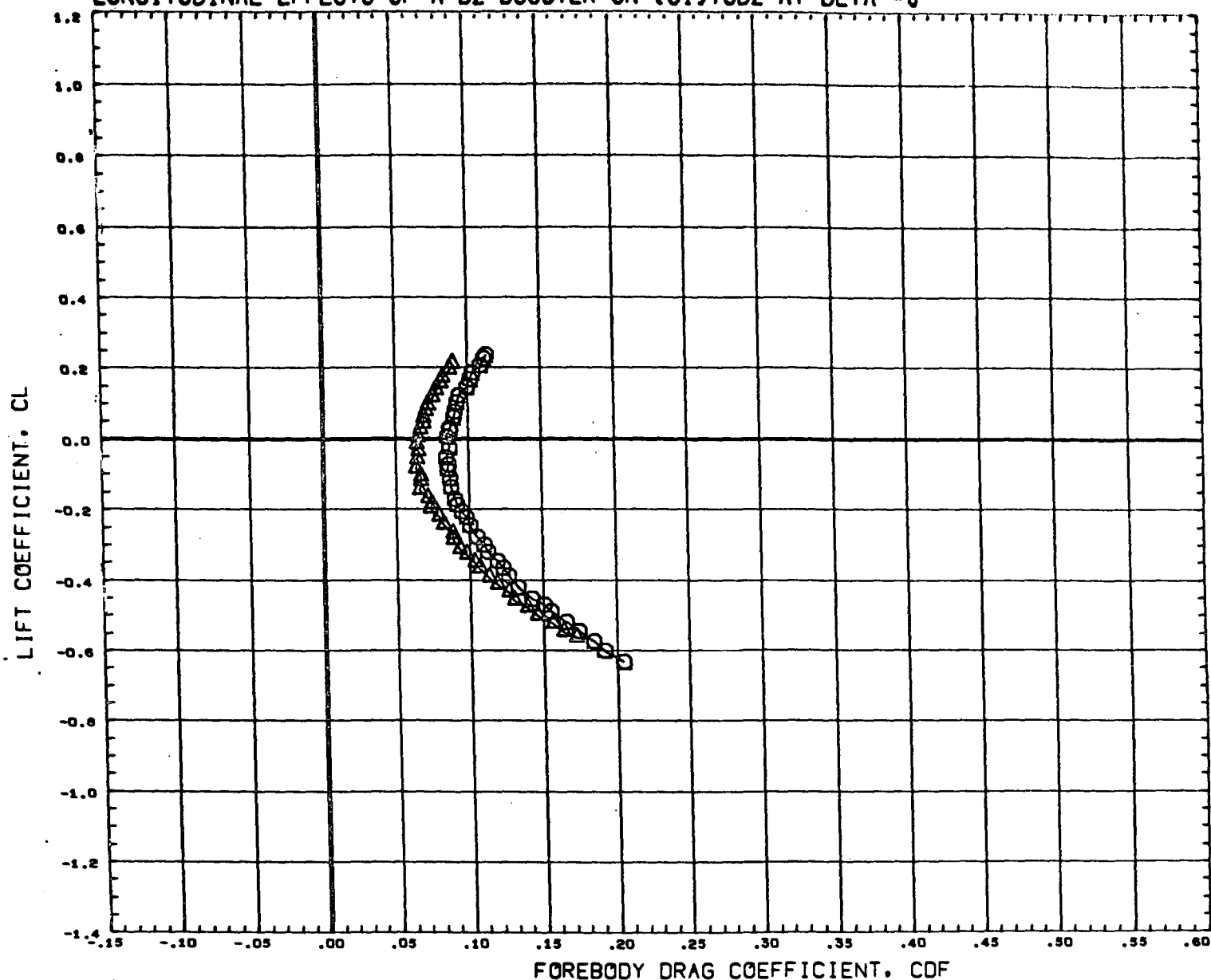
LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

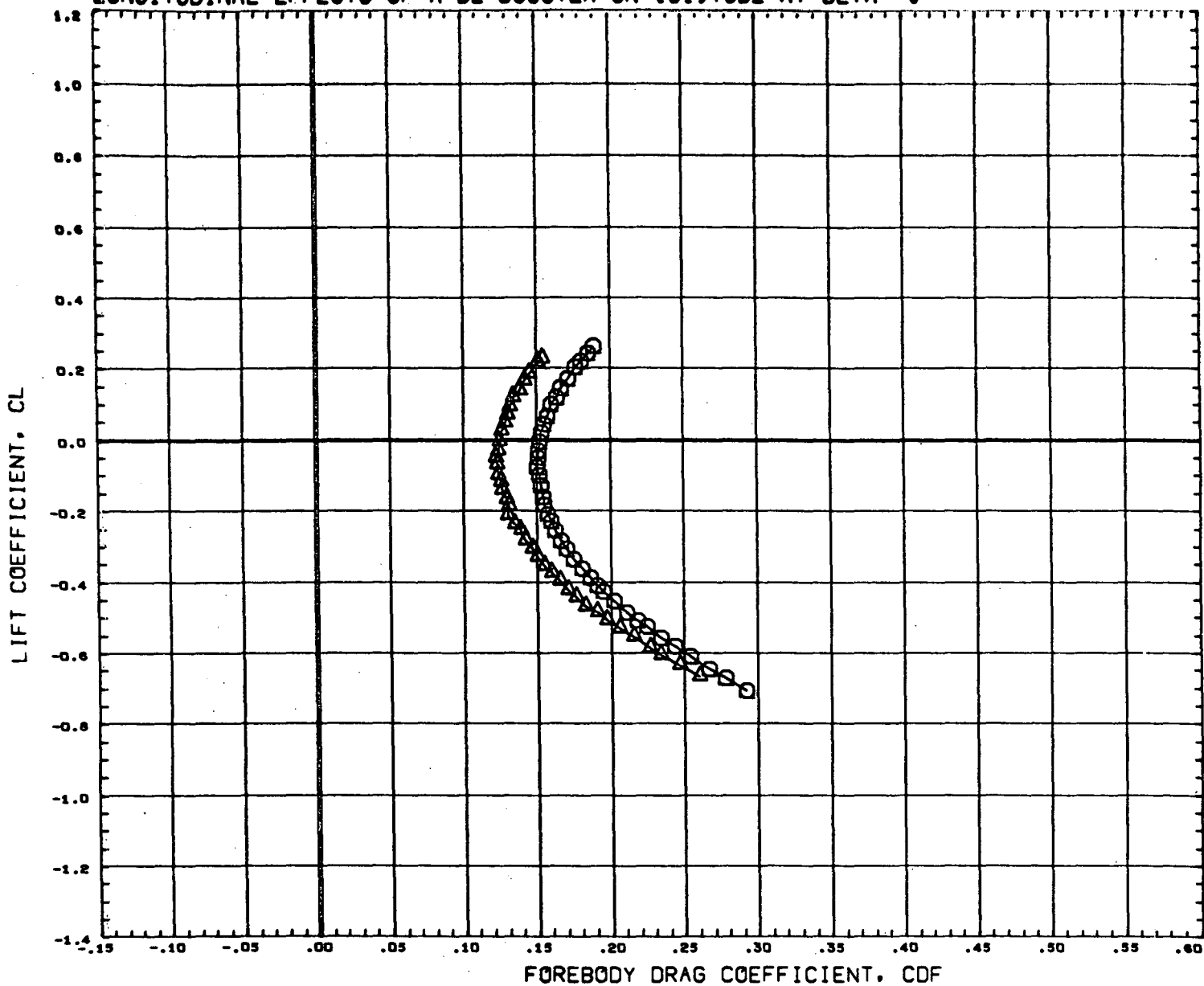


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	862.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0



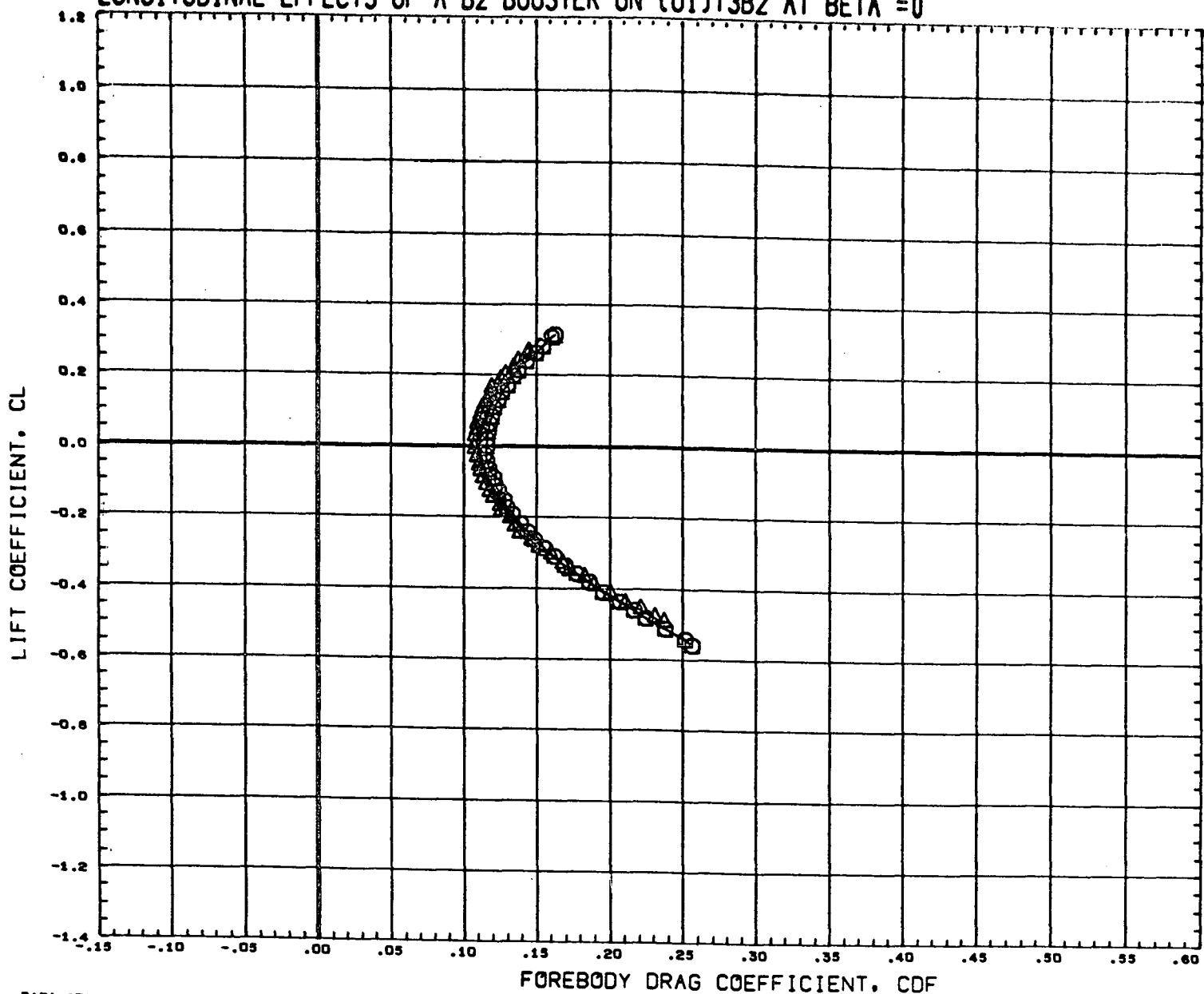
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7482)	MDAC S-222 COMPOSITE (T-C6) (01) T3B2
(CD7484)	MDAC S-222 COMPOSITE (T-C6) (01) T3B2L (B2R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7482)  MDAC S-222 COMPOSITE (T-CG) (O1)T3B2
(CD7484)  MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)

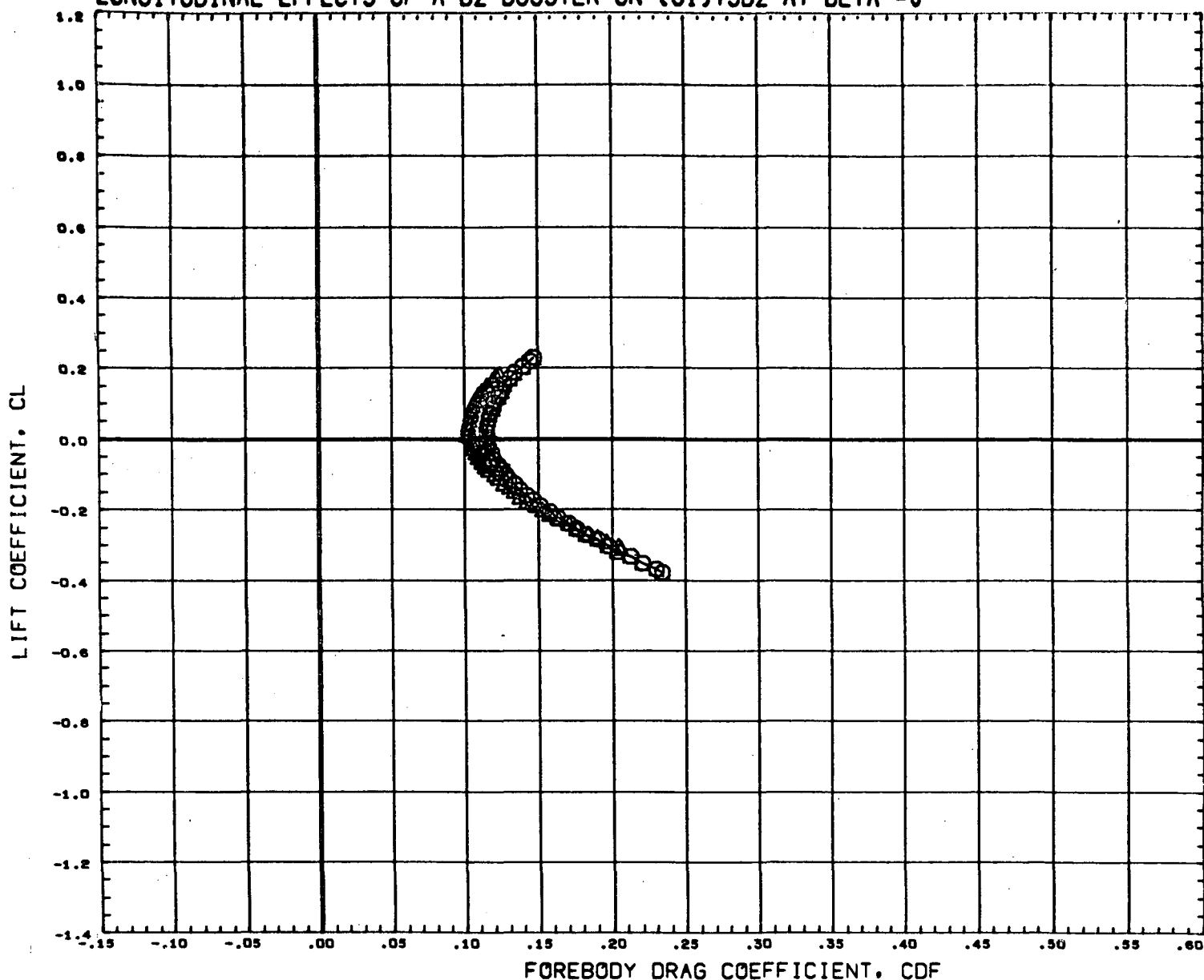
BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7482)  MDAC S-222 COMPOSITE (T-CG) (O1)T3B2
(CD7484)  MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

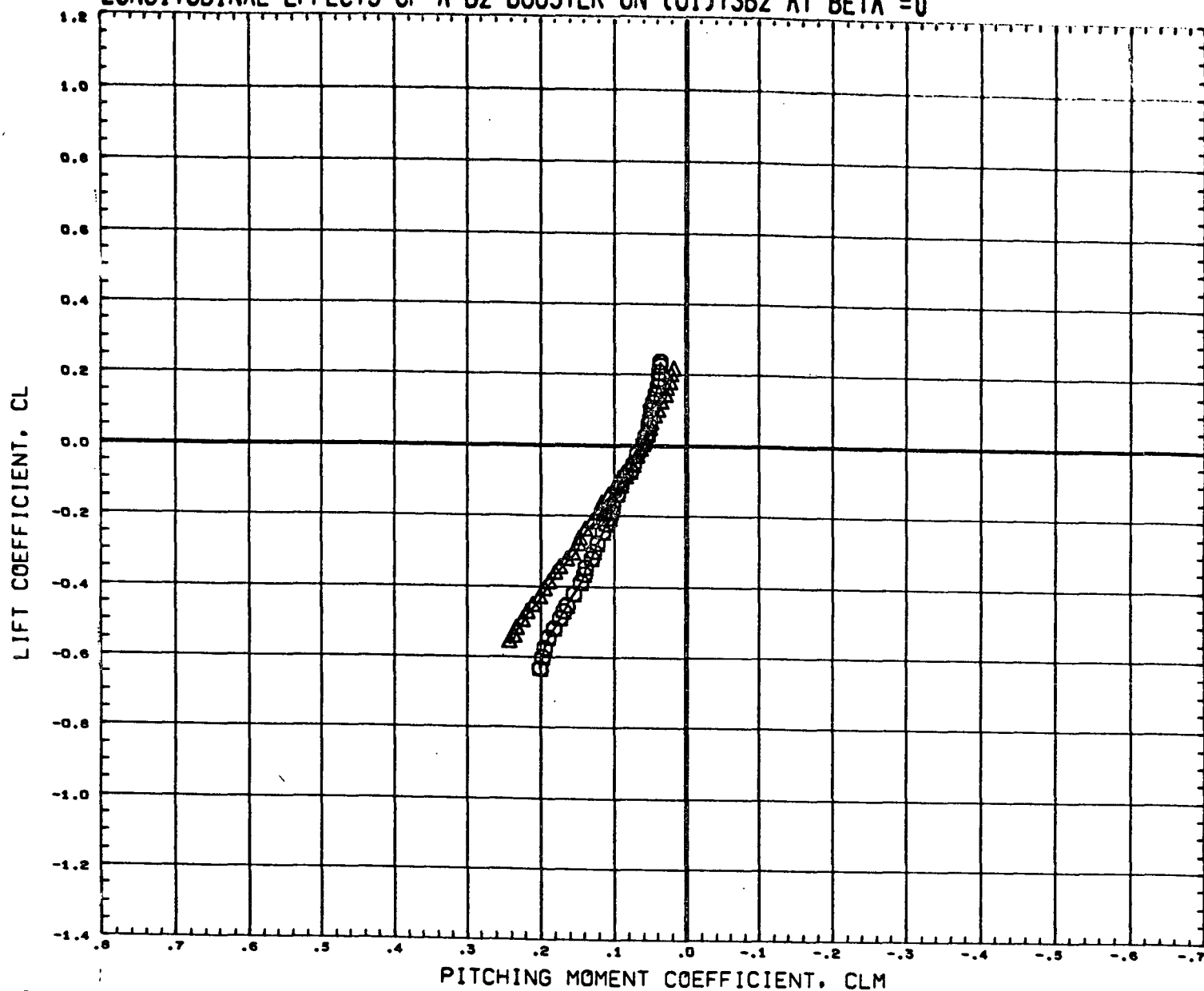
REFERENCE INFORMATION

SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
YMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 4.47

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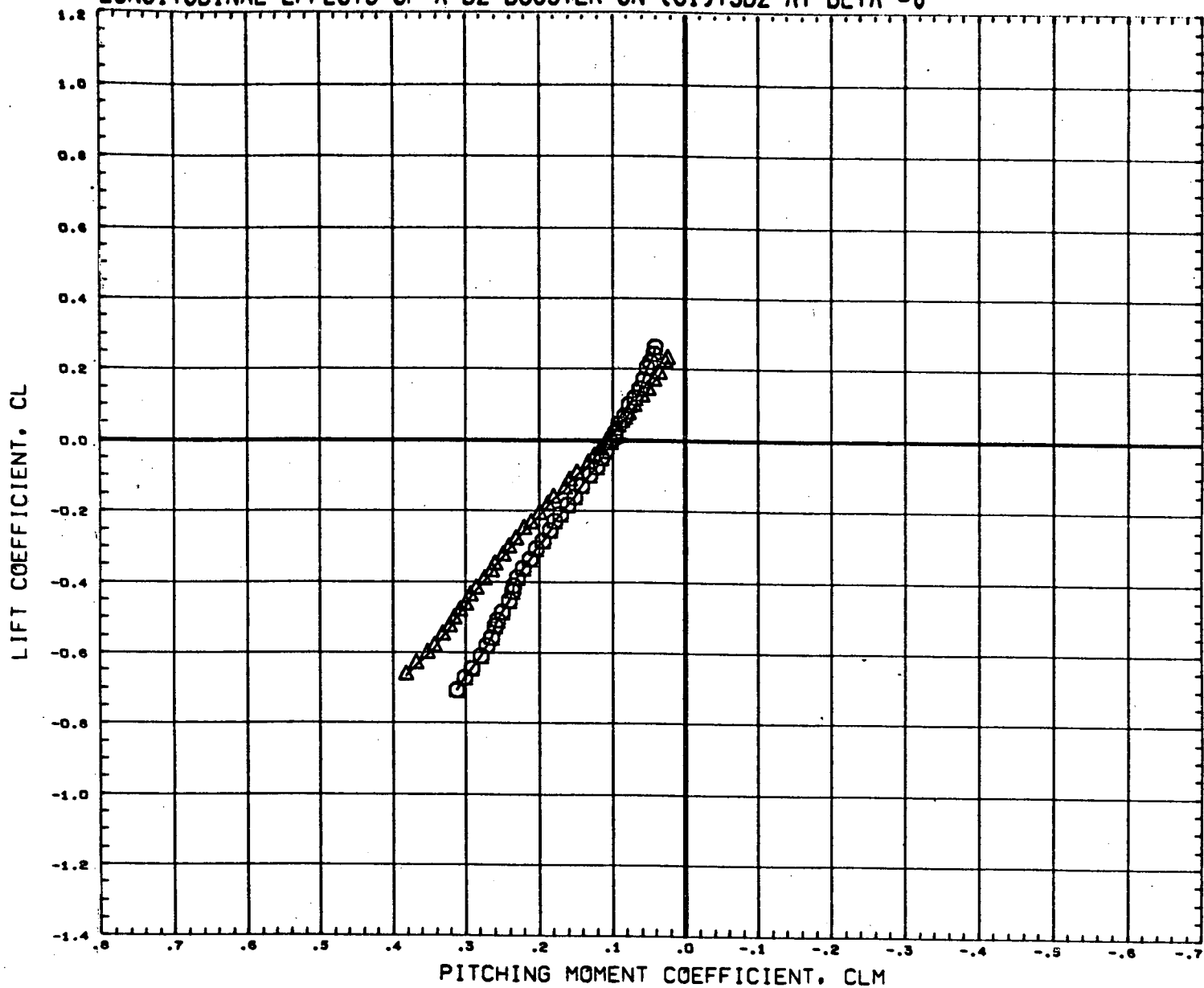
LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0

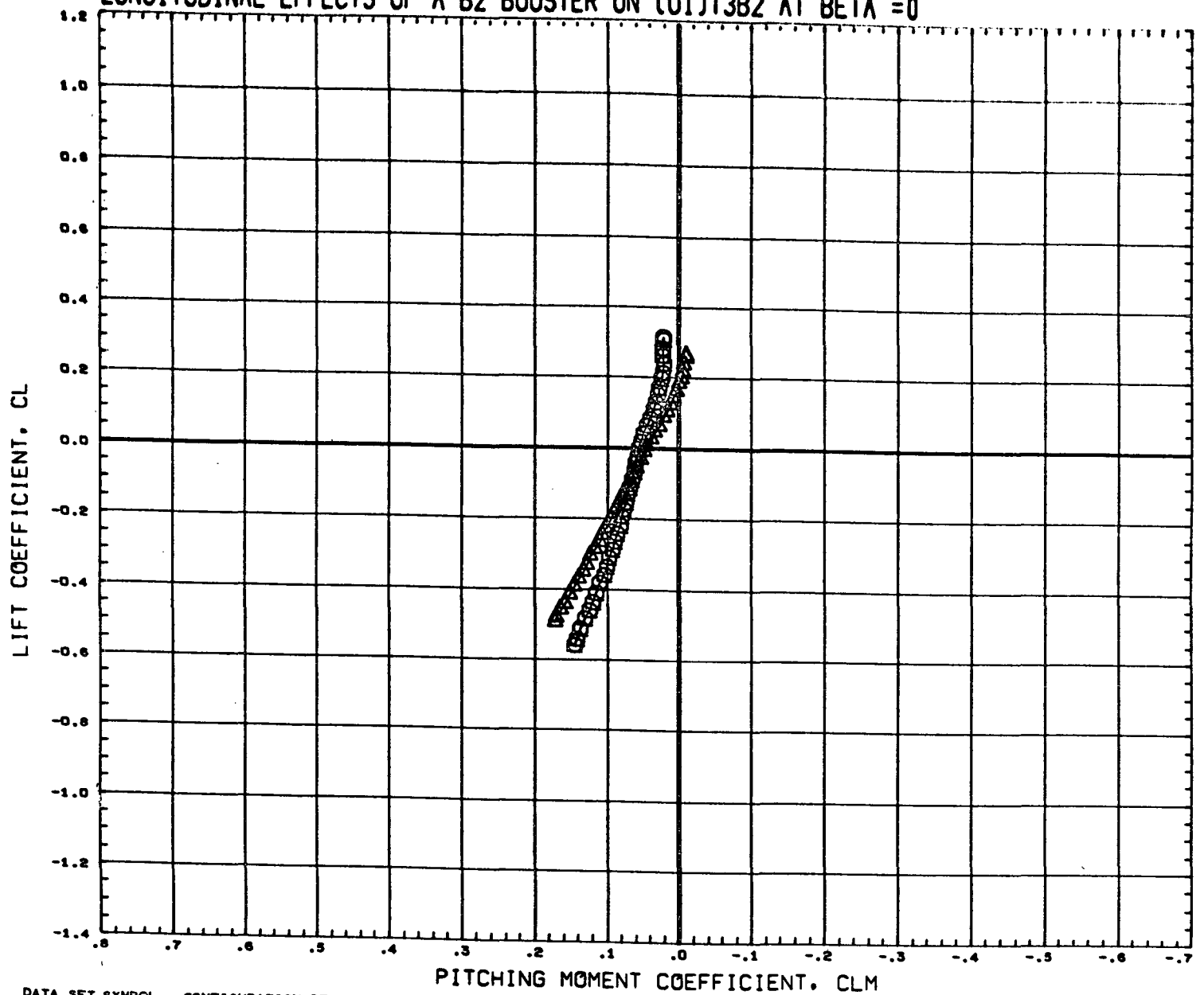


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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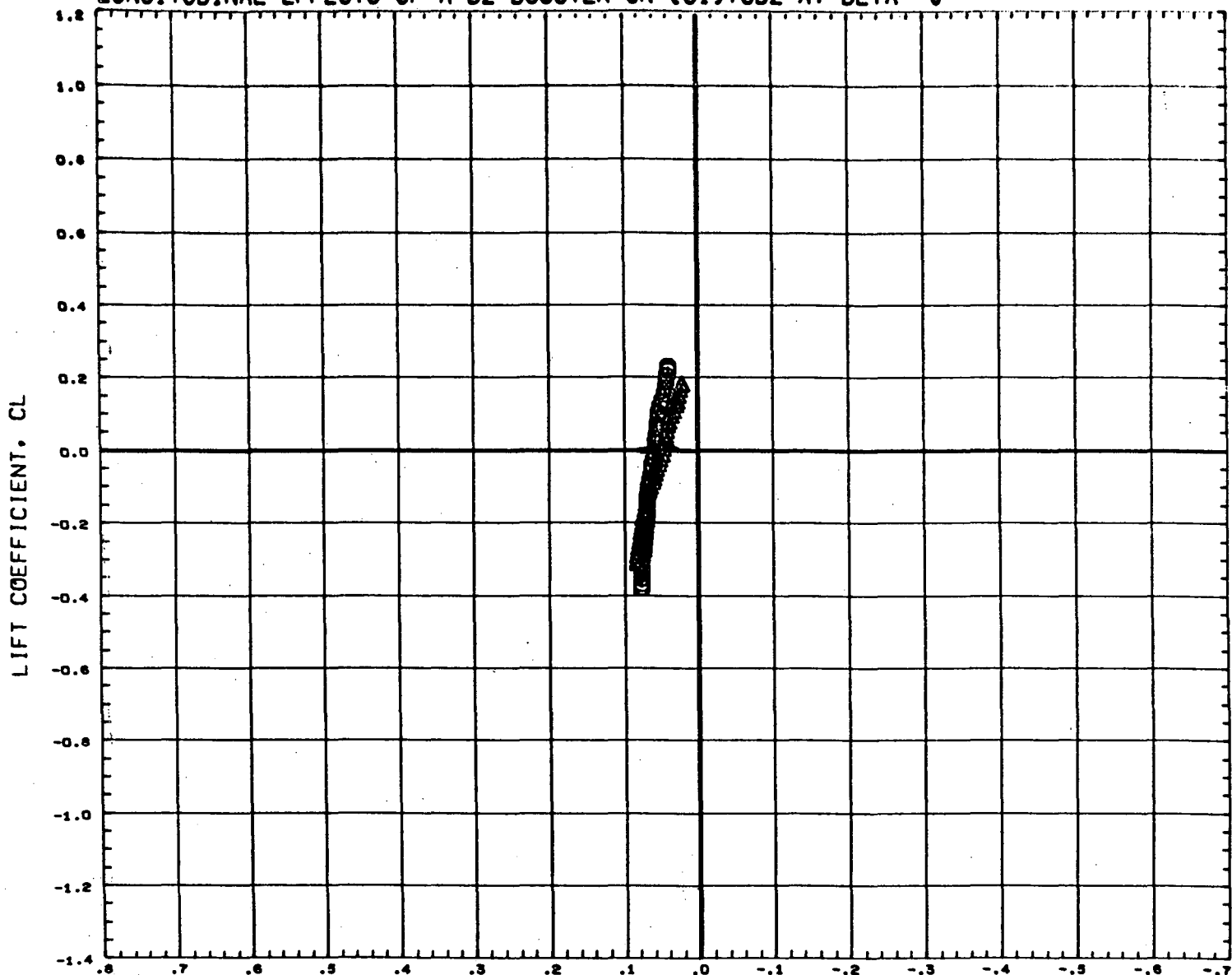
LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA =0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA =0



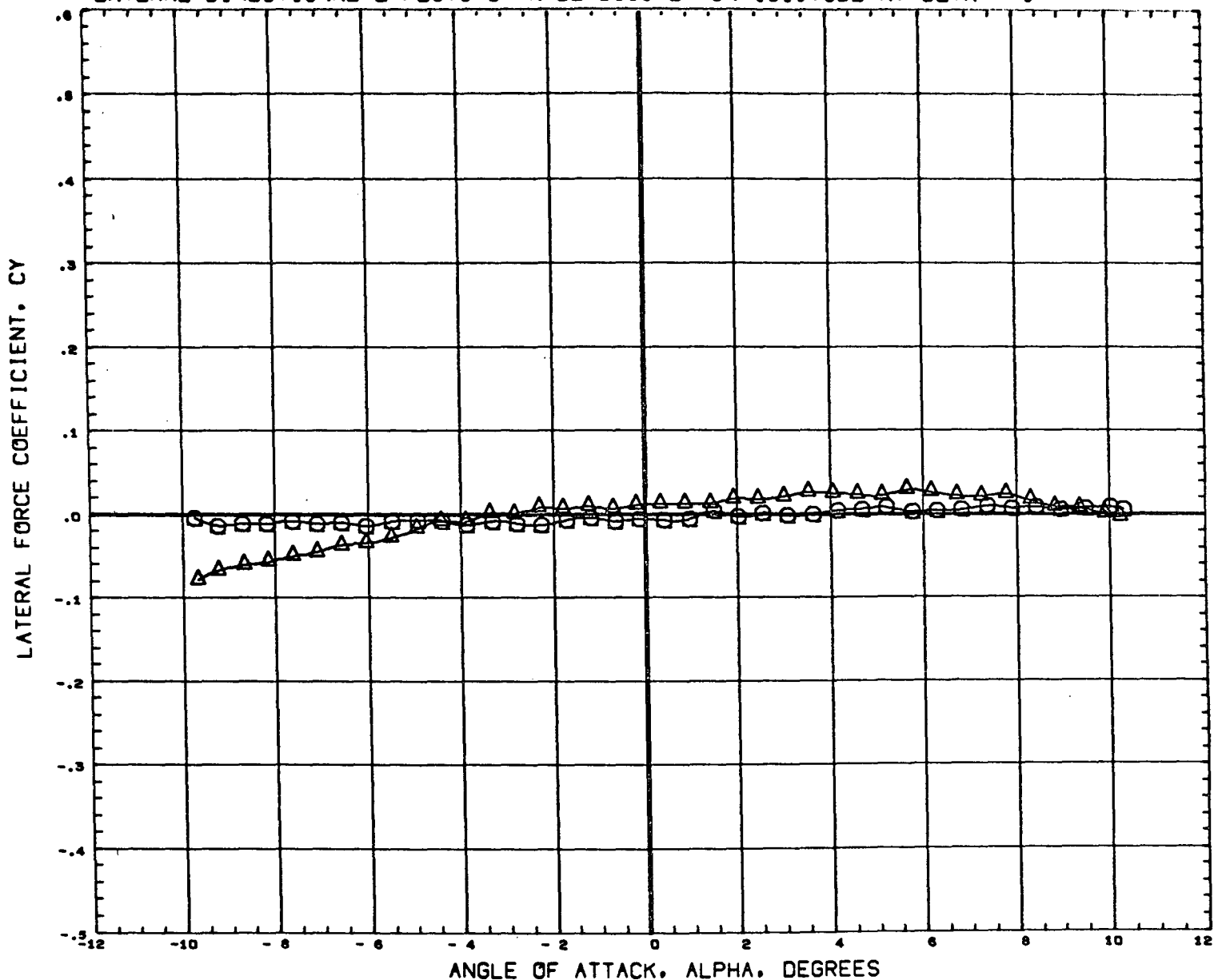
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2
(CD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0

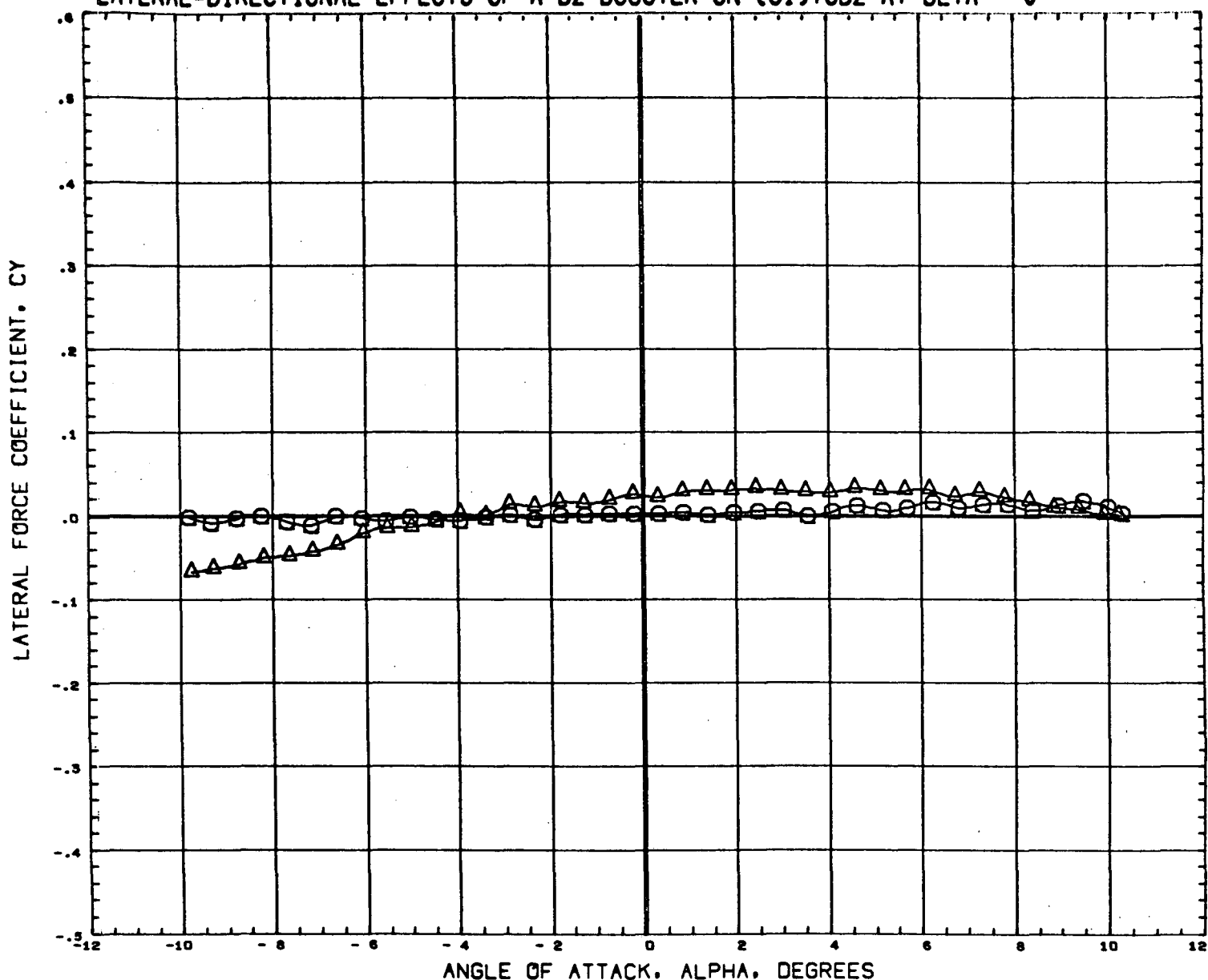


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0

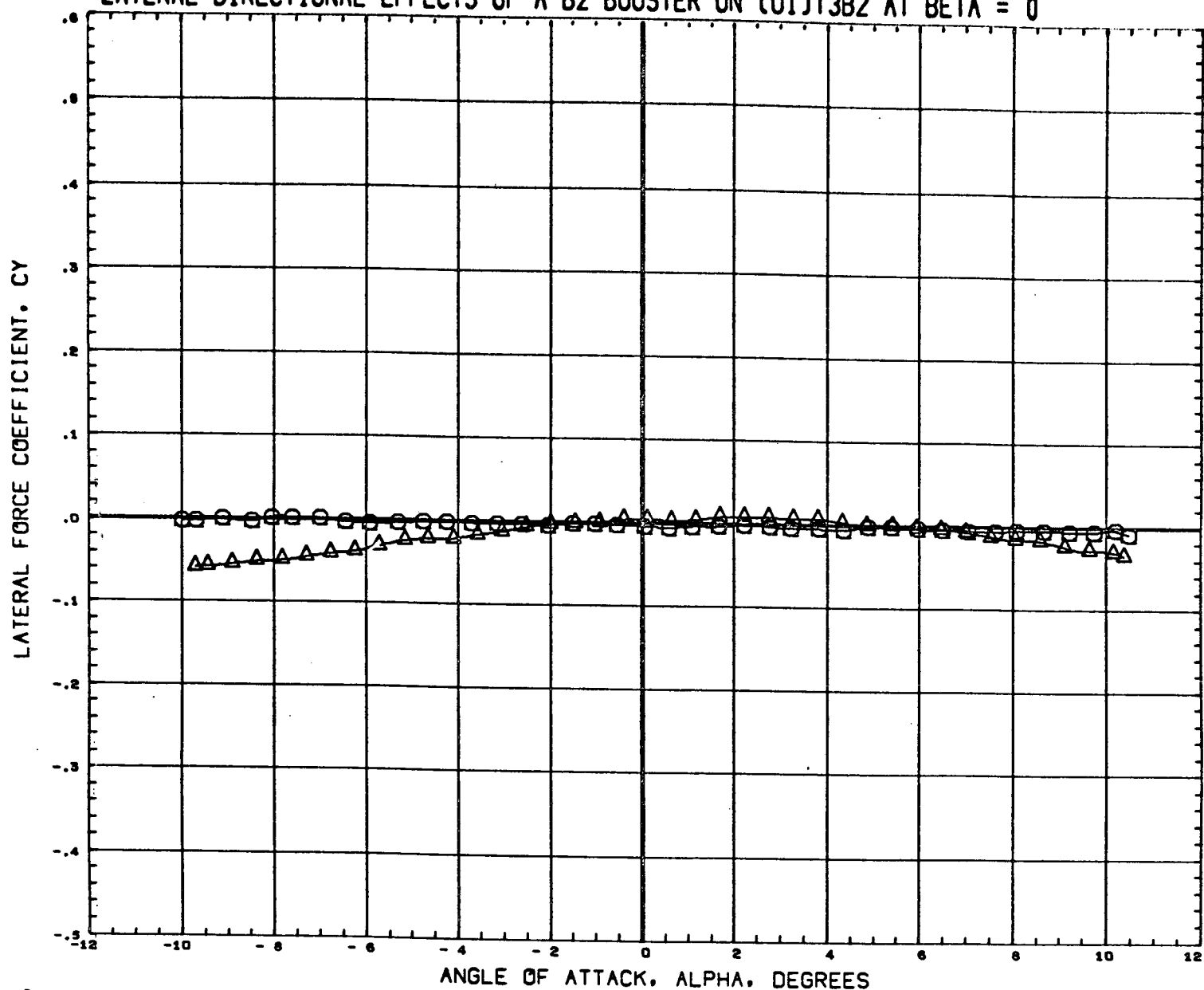


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7482)	○	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	△	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRF	337.0004 IN.
							YMRF	0.0000 IN.
							ZMRF	200.0004 IN.
							SCALE	0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7482)  MDAC S-222 COMPOSITE (T-CG) (O1) T3B2
(RD7484)  MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)

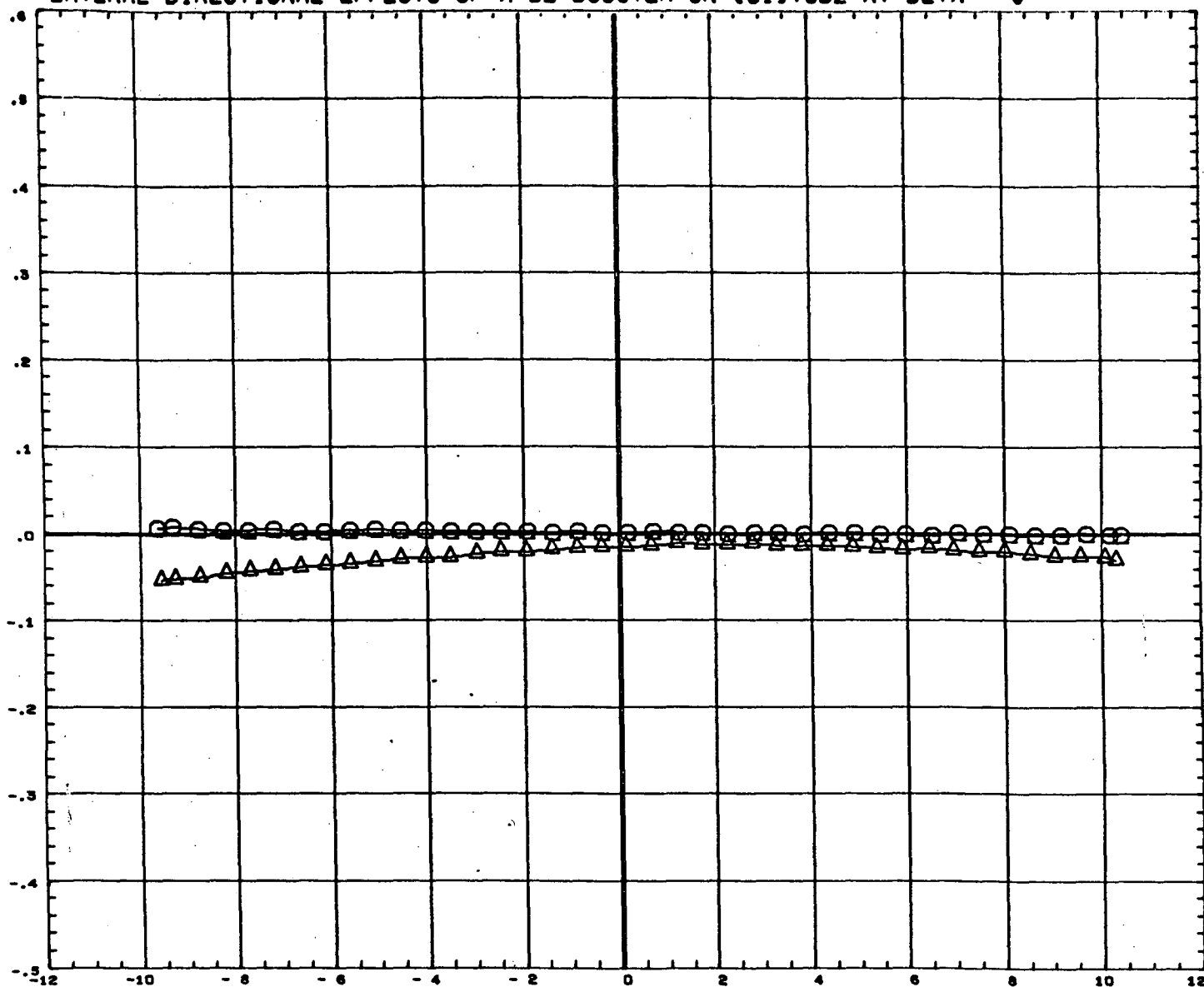
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



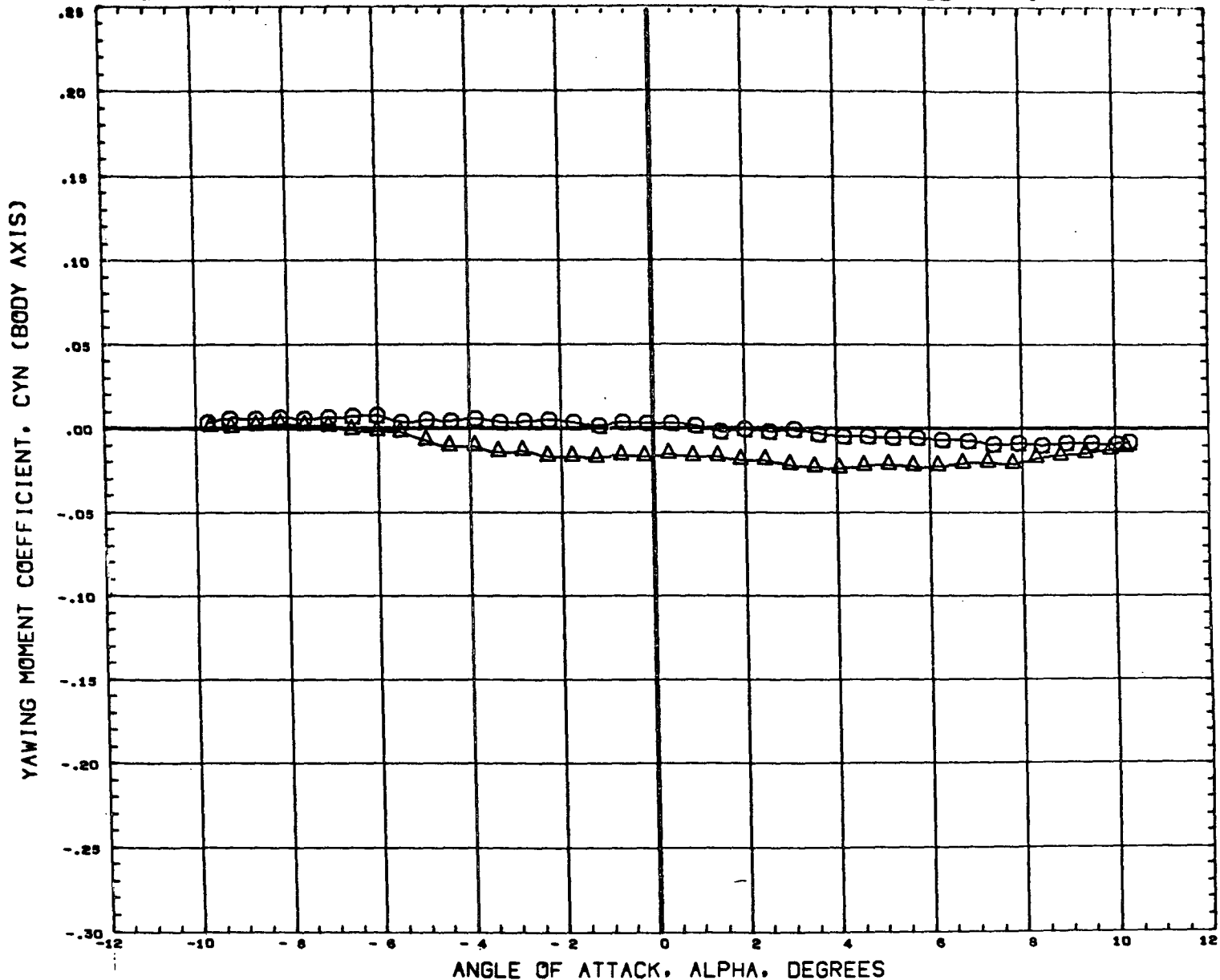
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7482)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0



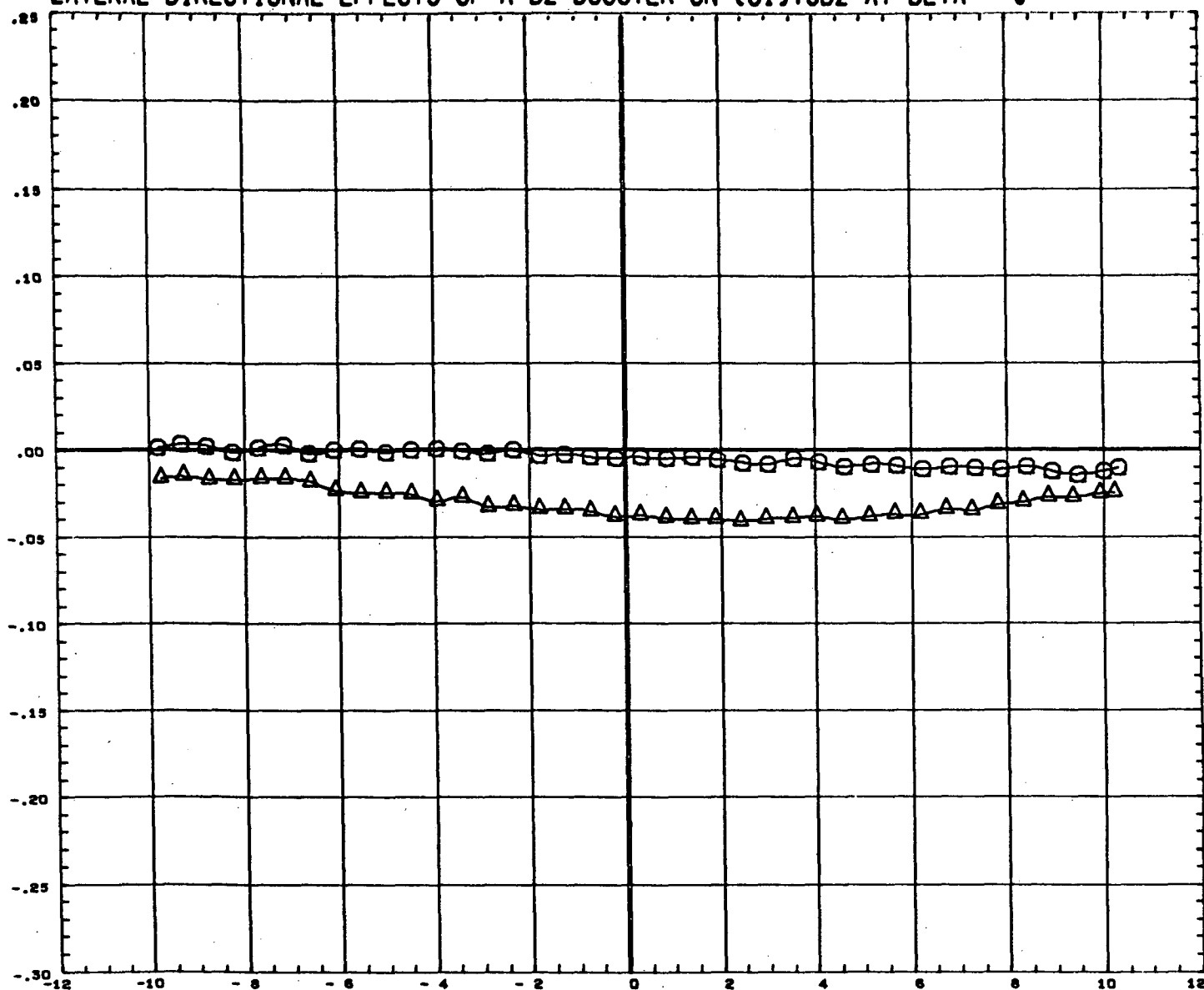
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



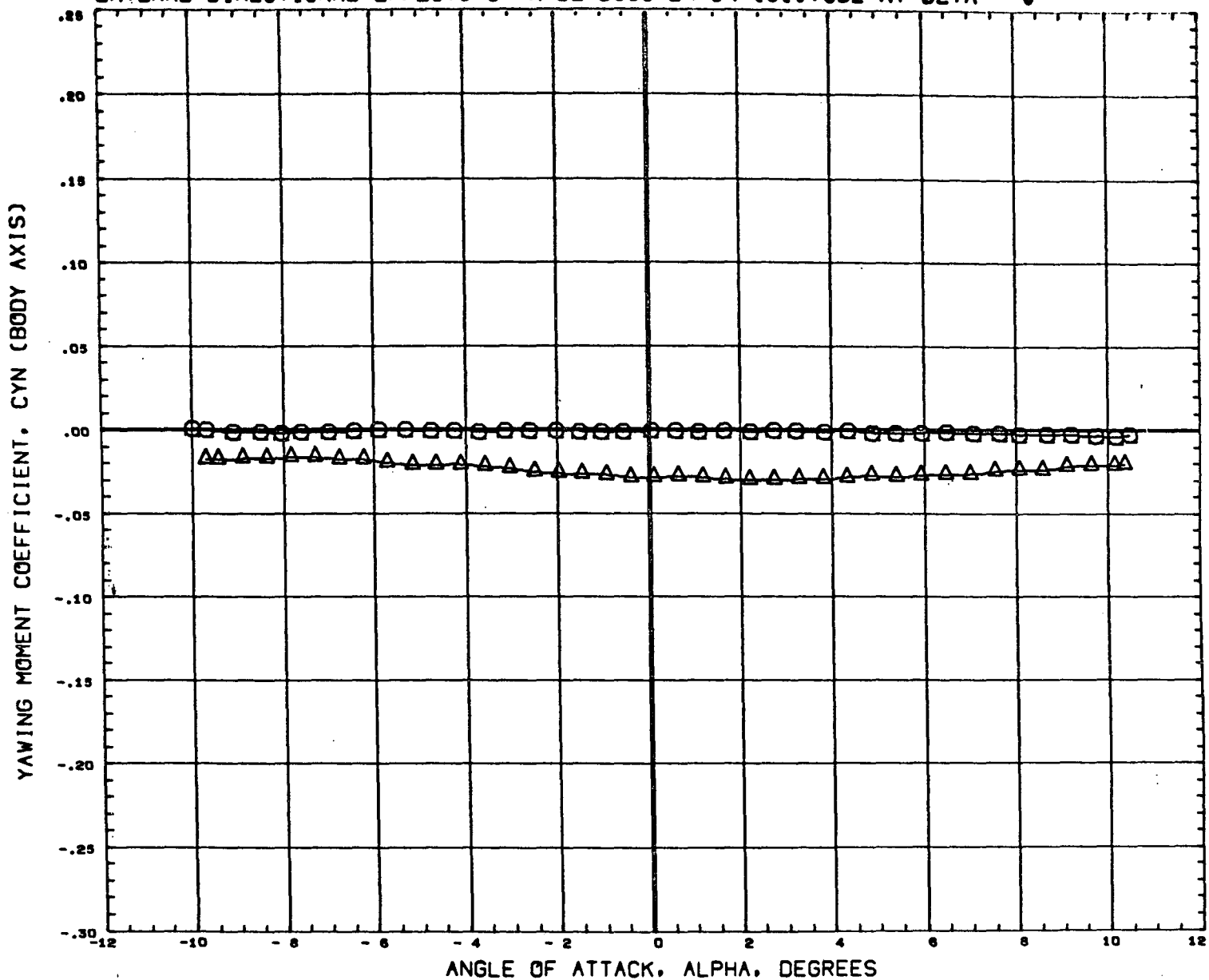
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7462)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
(RD7464)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0

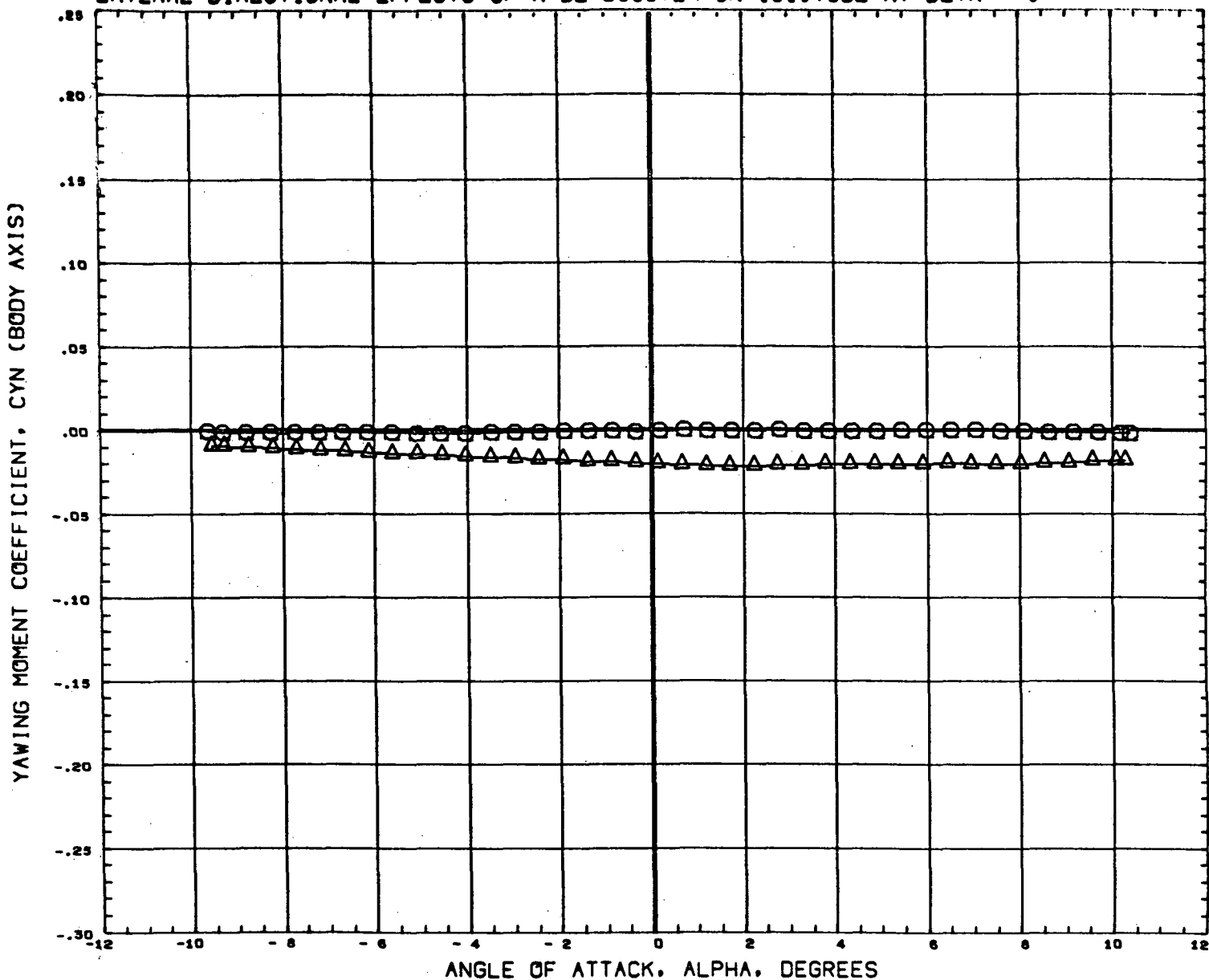


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7482)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

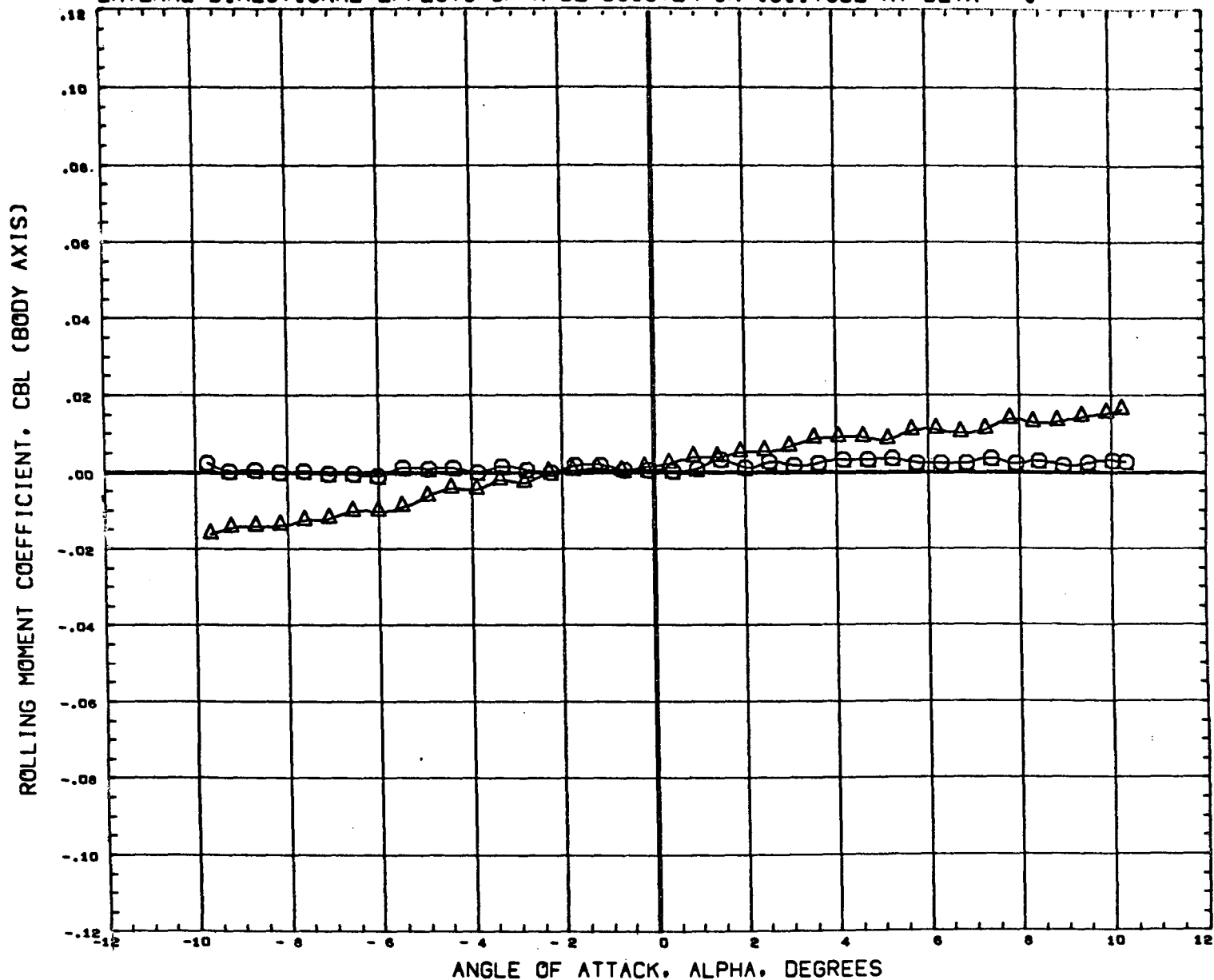


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7482)	MDAC S-222 COMPOSITE(T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	MDAC S-222 COMPOSITE(T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 AT BETA = 0

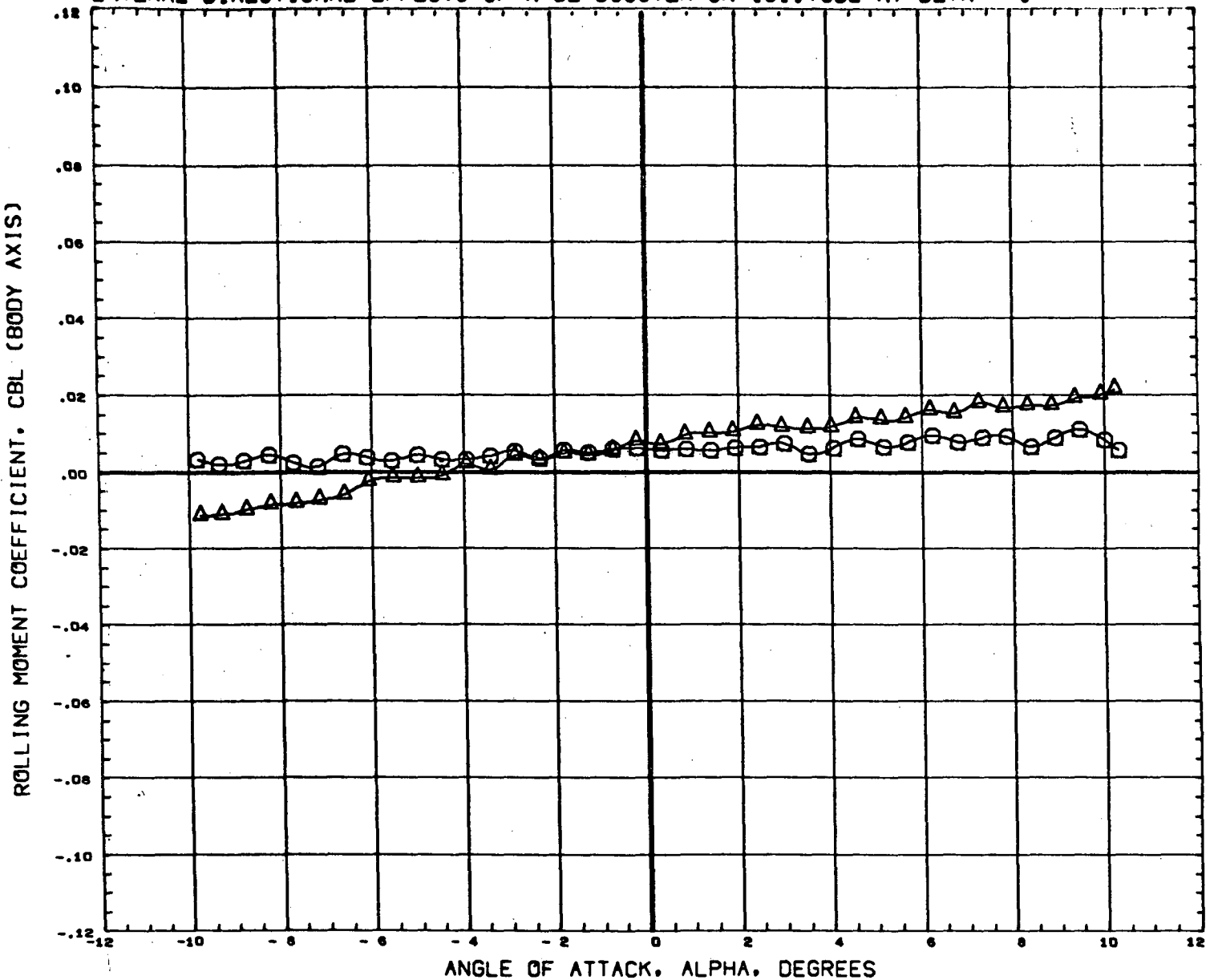


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILERON	RUDDER	REFERENCE INFORMATION	
(RD7482)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

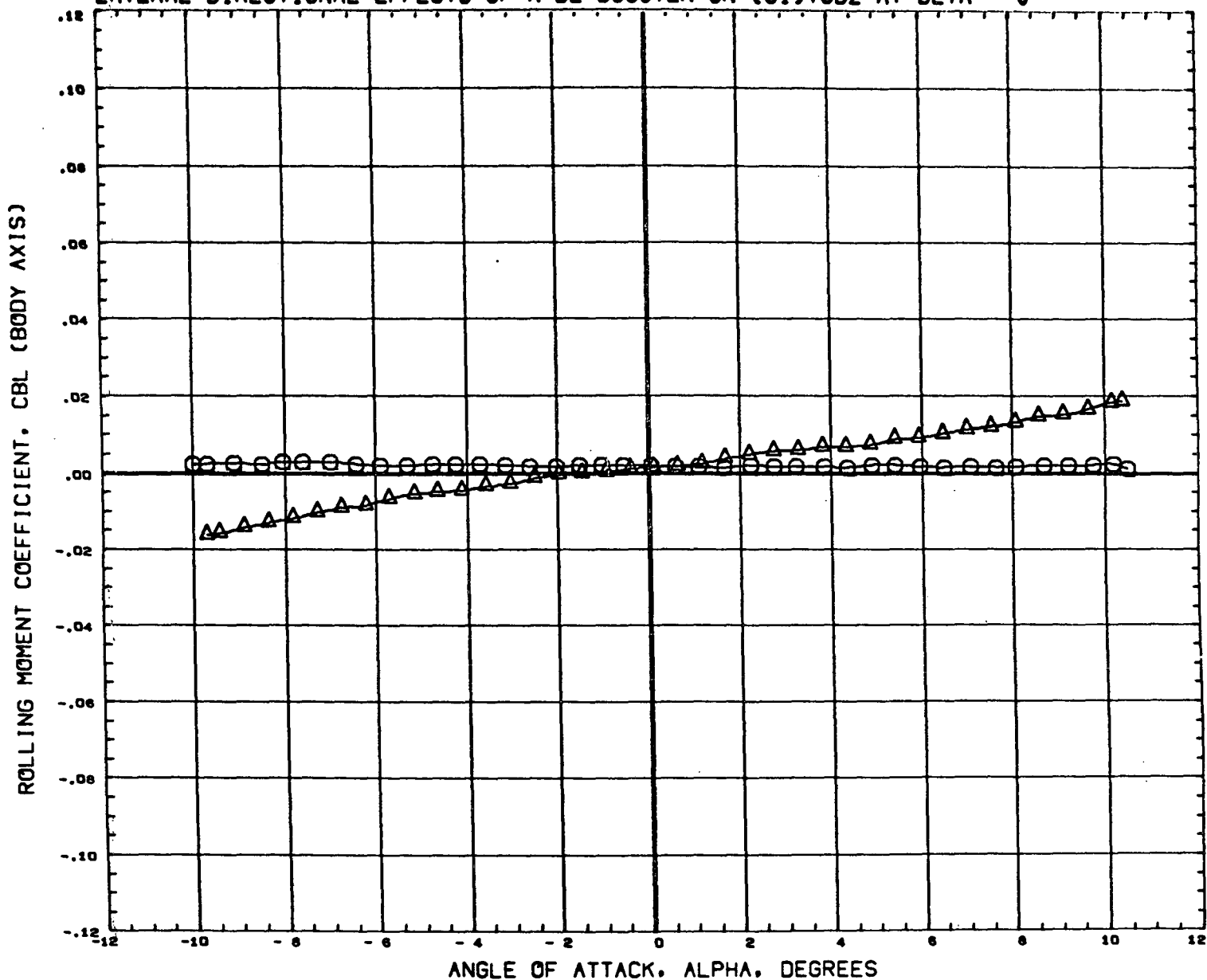


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7482)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7484)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7482) (01)T3B2
(RD7484) (01)T3B2L (B2R)

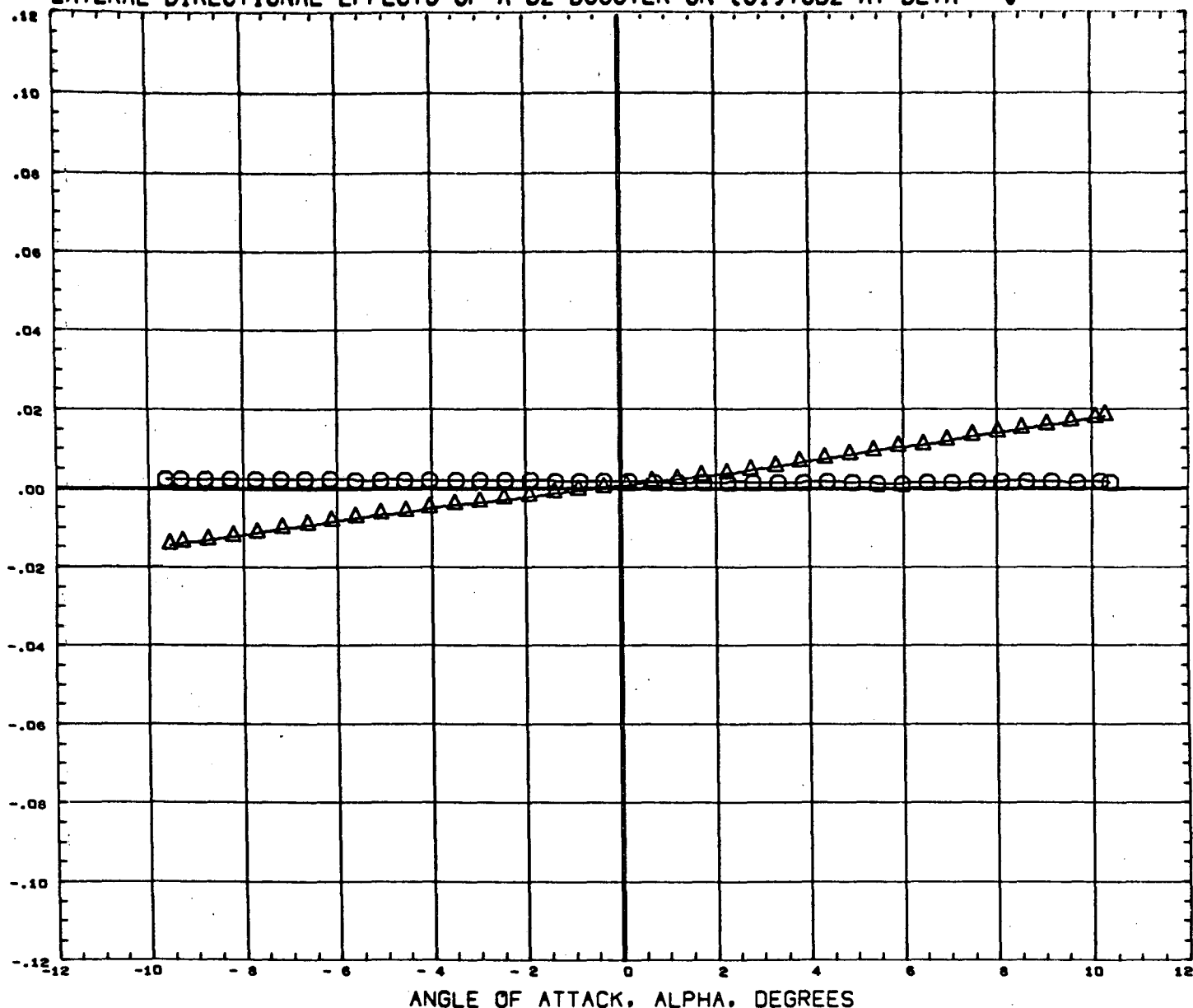
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

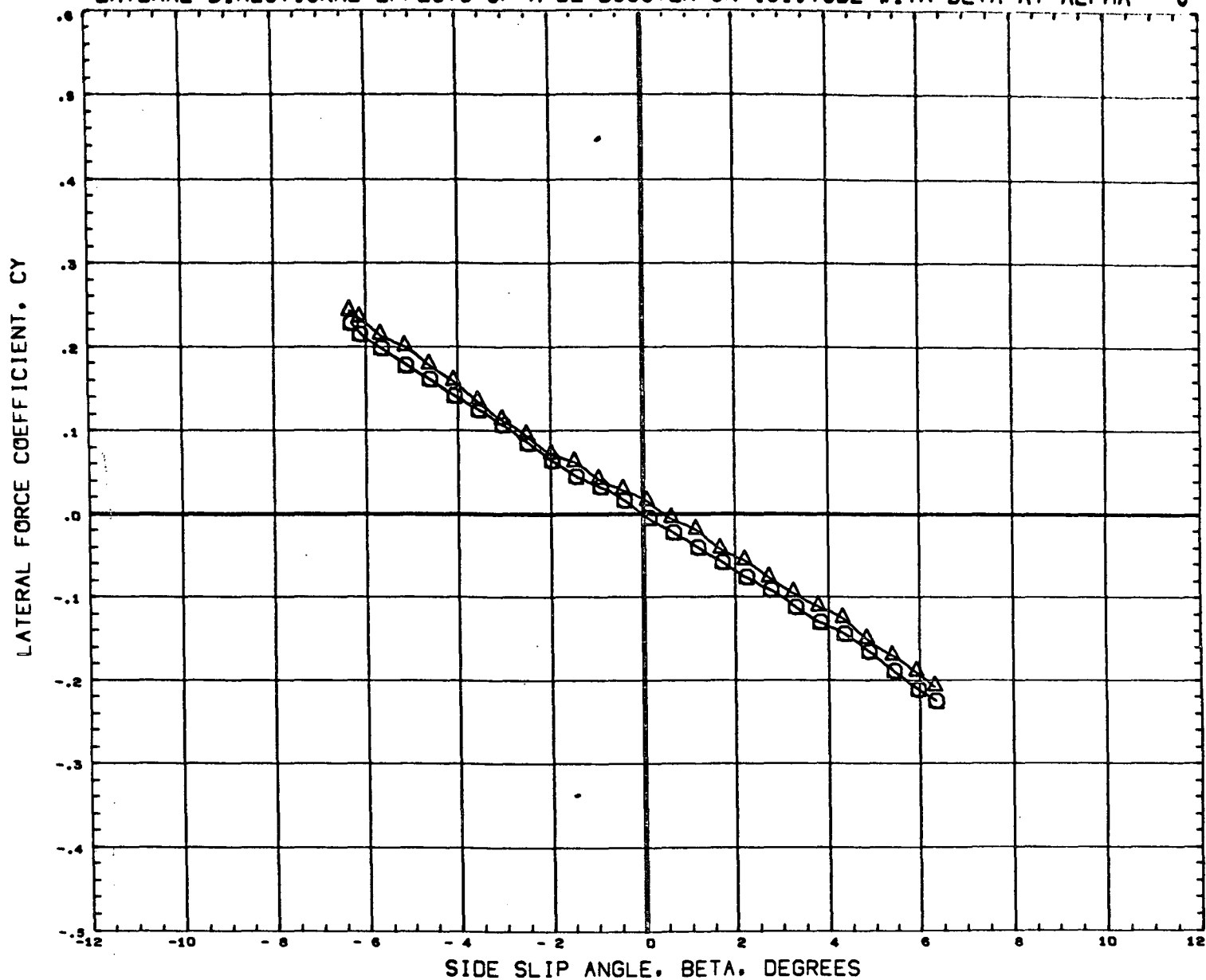


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7462)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7464)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	682.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0



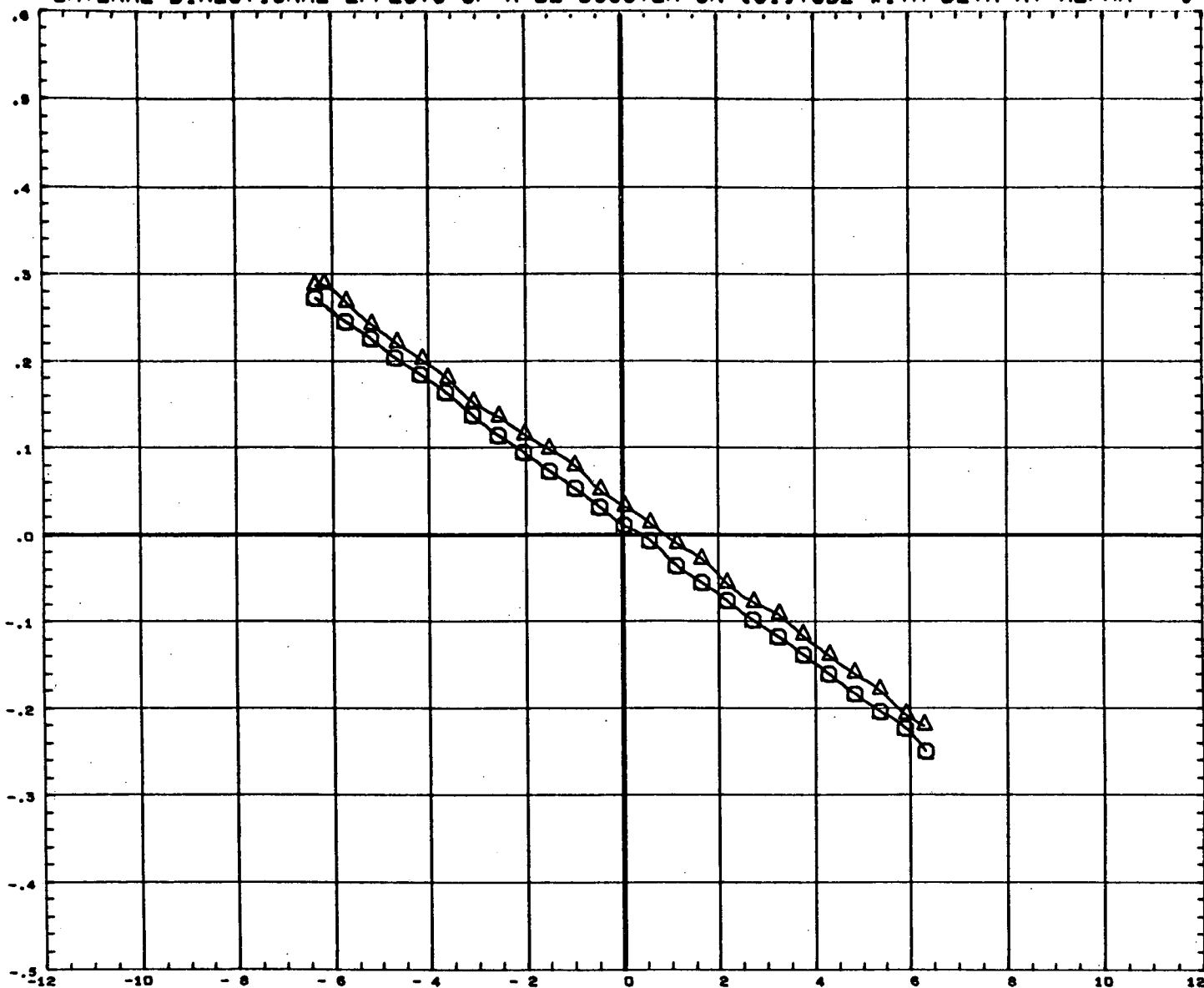
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 WITH BETA AT ALPHA = 0

LATERAL FORCE COEFFICIENT, CY



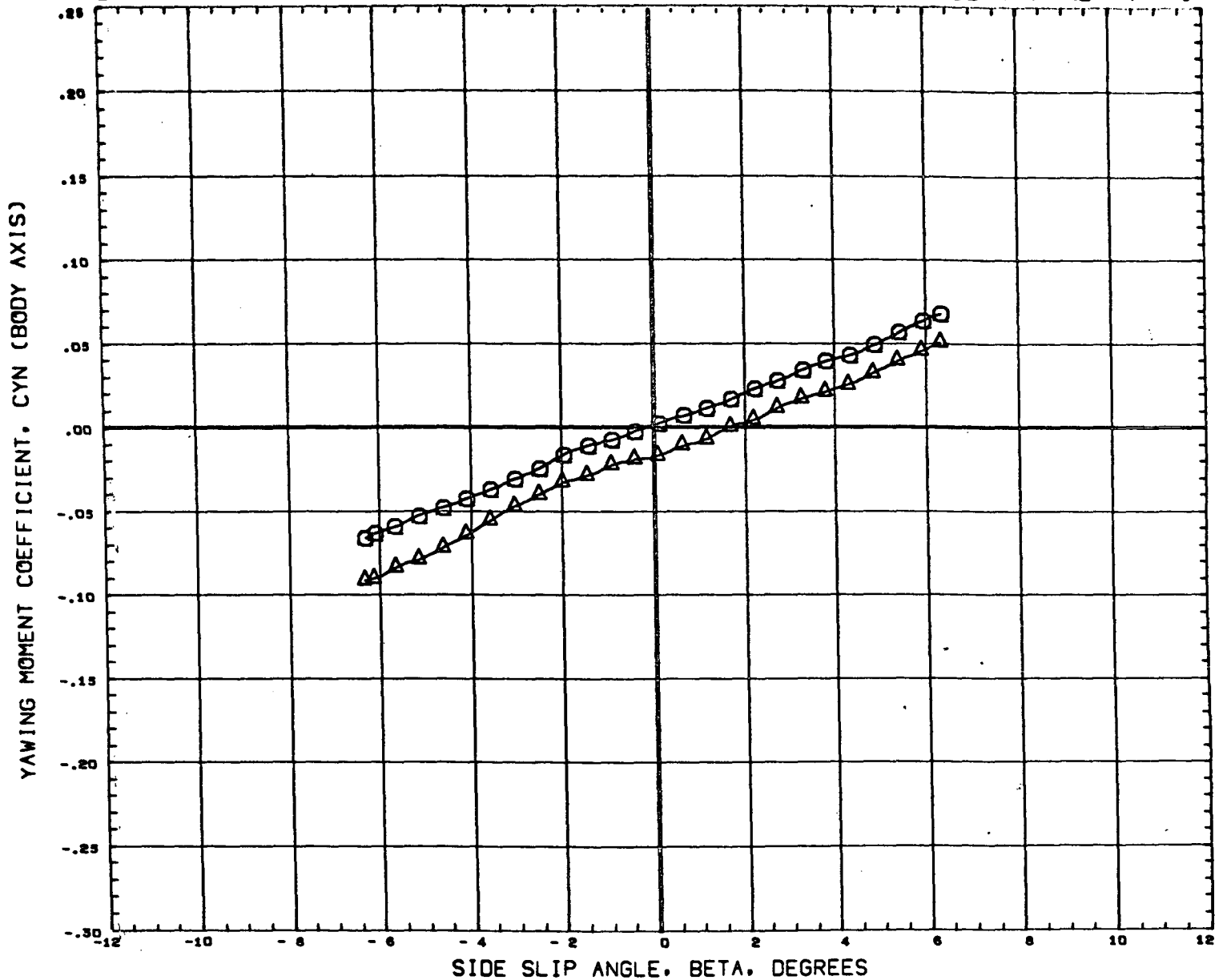
SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040	30.FT.
(RD7485)	MDAC S-222 COMPOSITE (T-CG) (01)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0

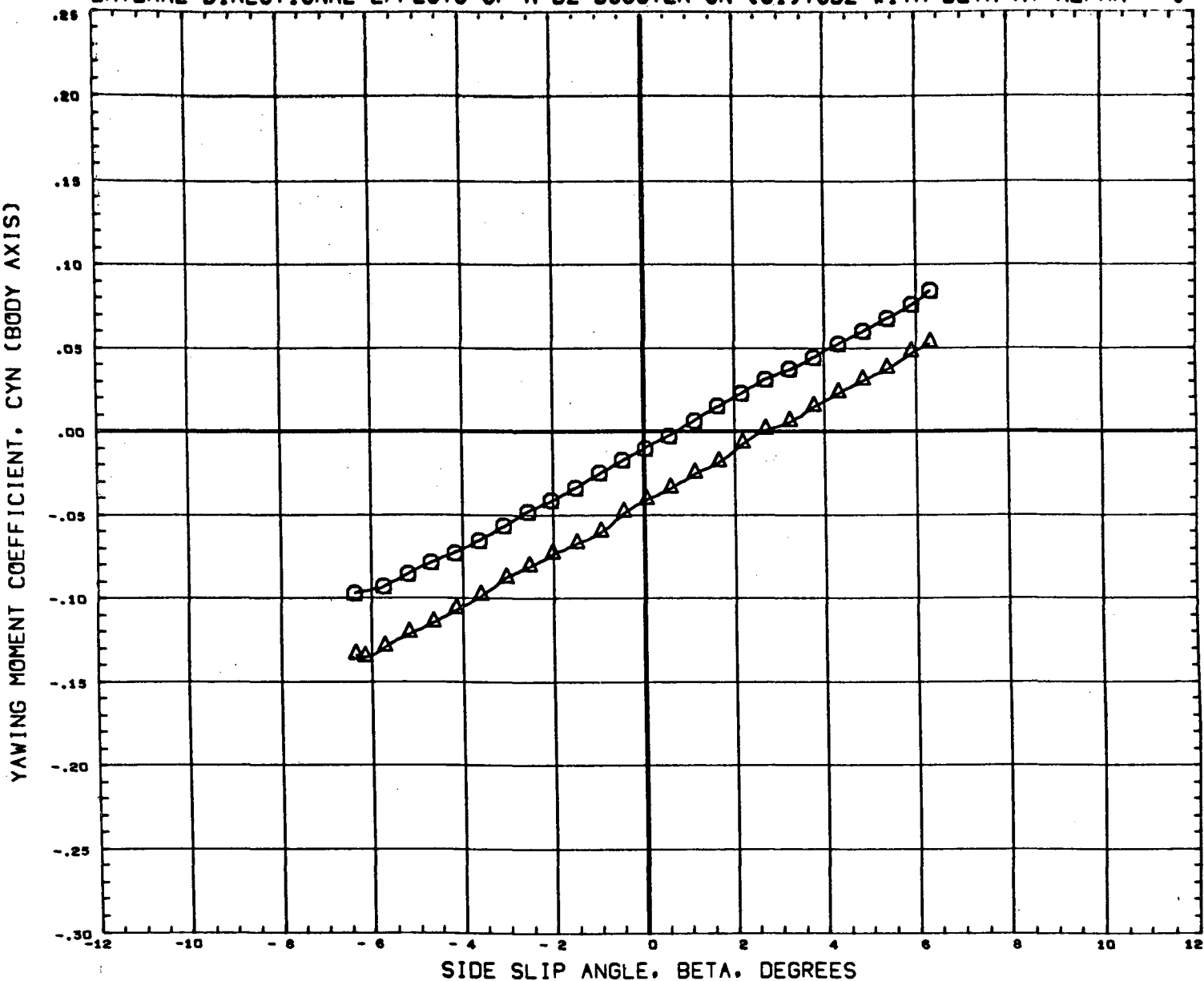


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 WITH BETA AT ALPHA = 0

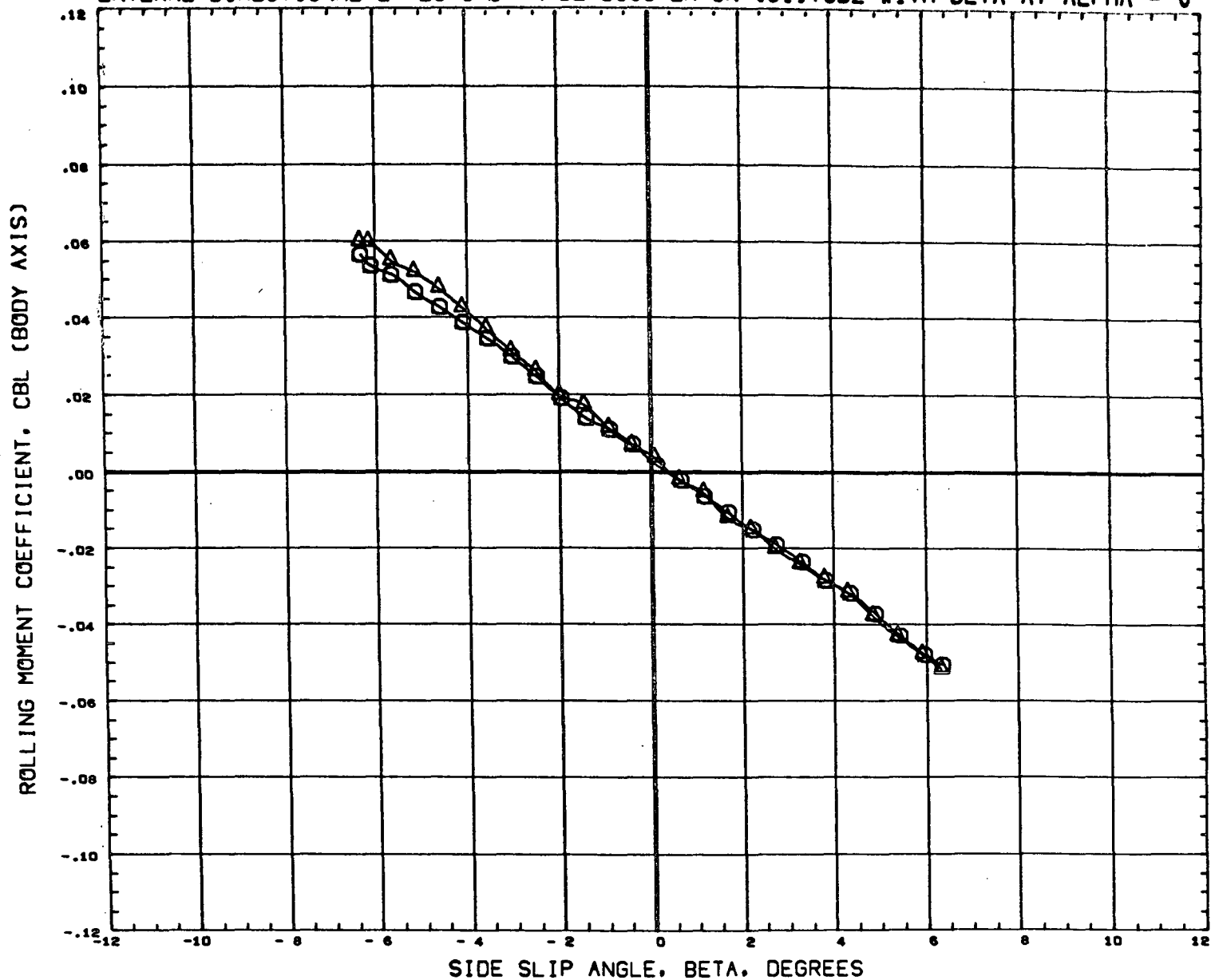


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7485)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0



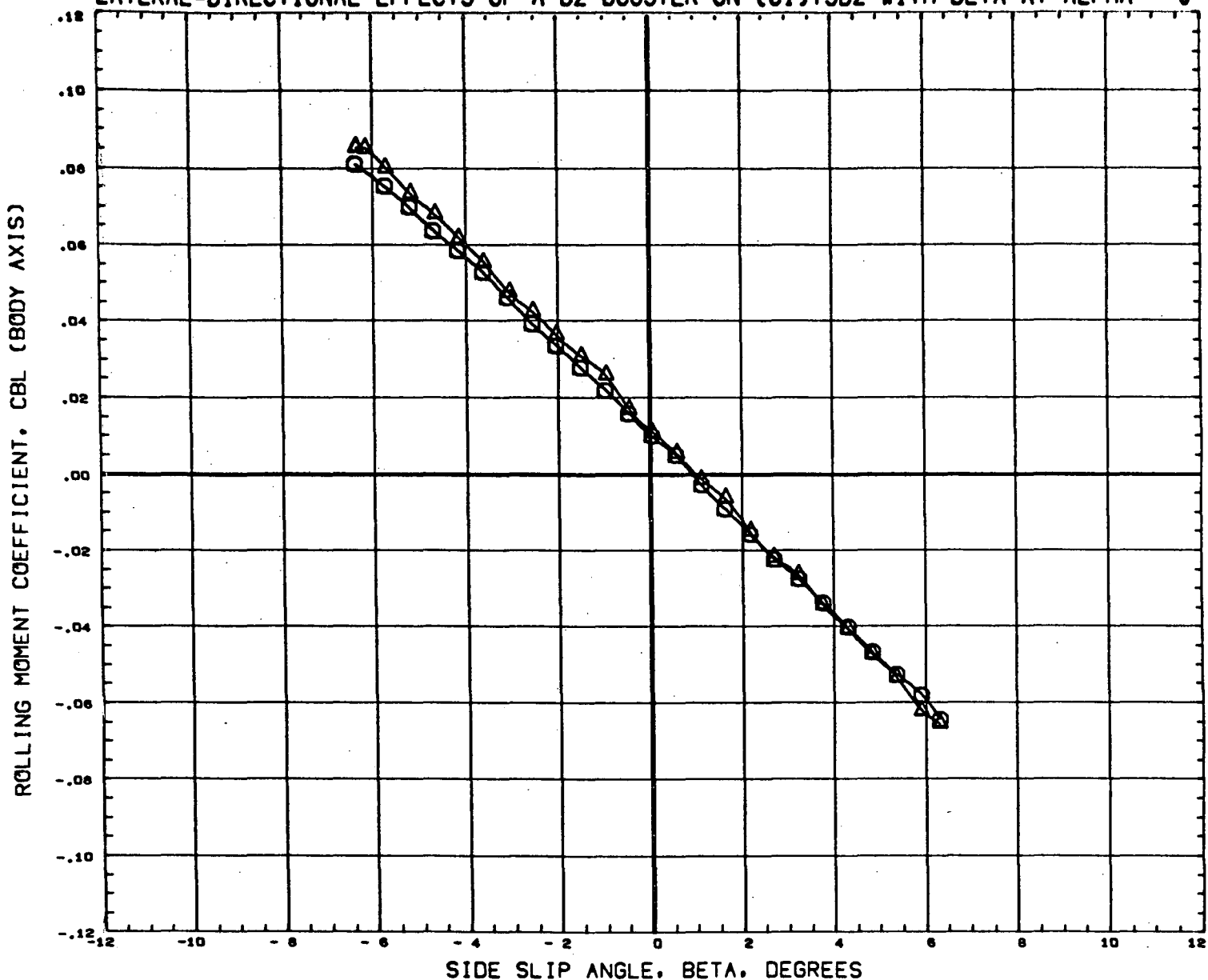
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7483)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2
(RD7485)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0



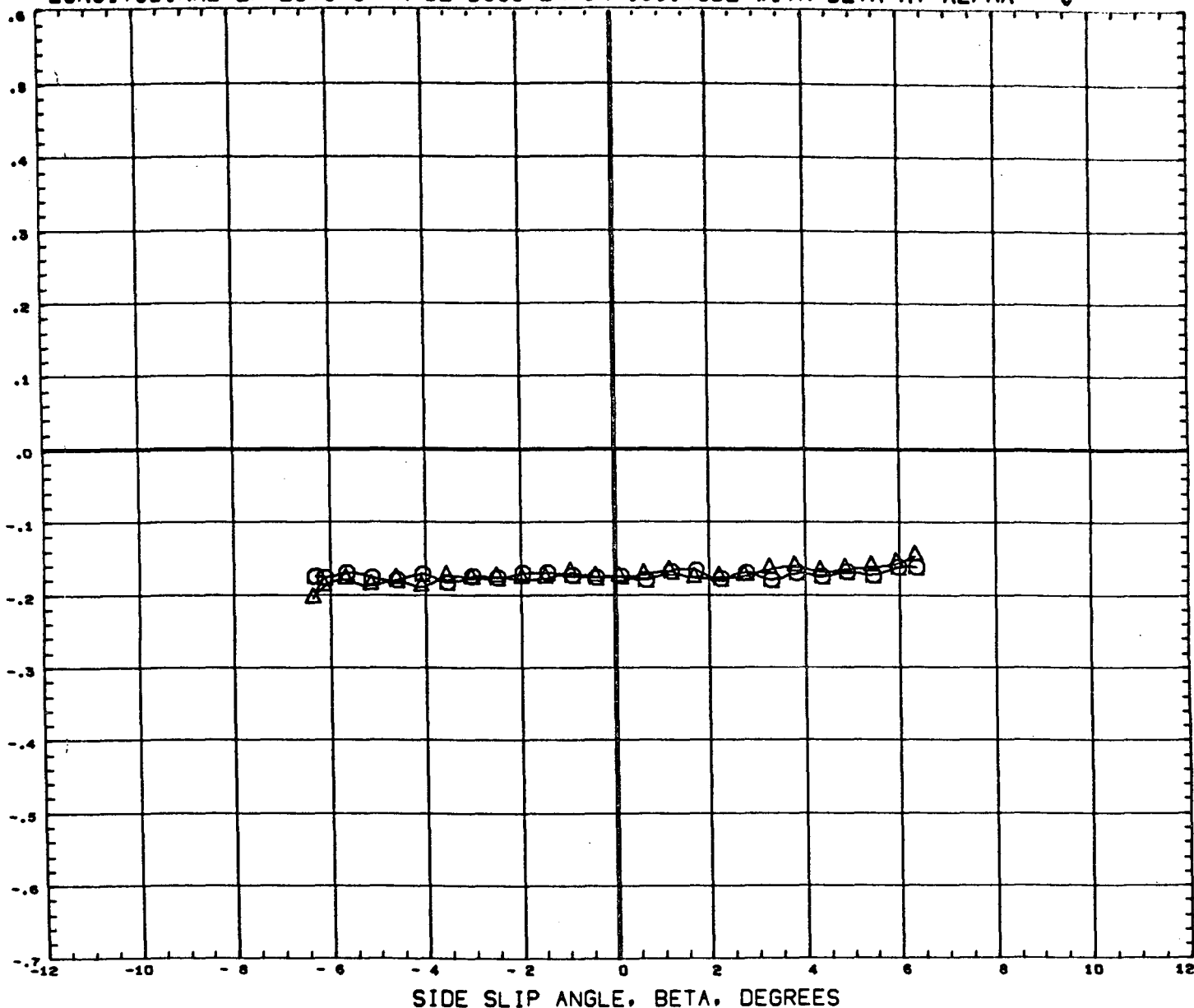
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7483)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7485)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0

NORMAL FORCE COEFFICIENT, CN



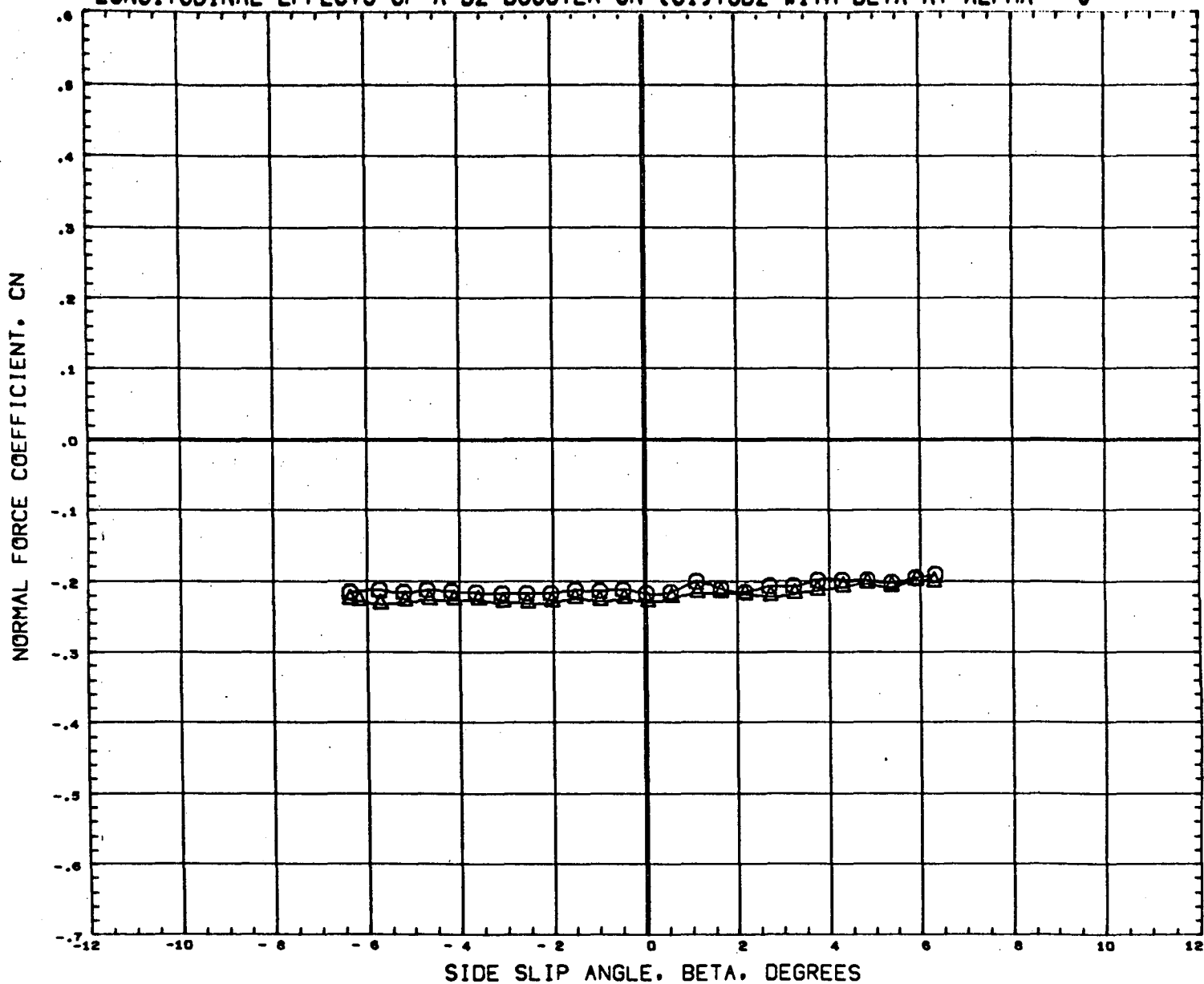
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7483) 	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2
(CD7485) 	MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0

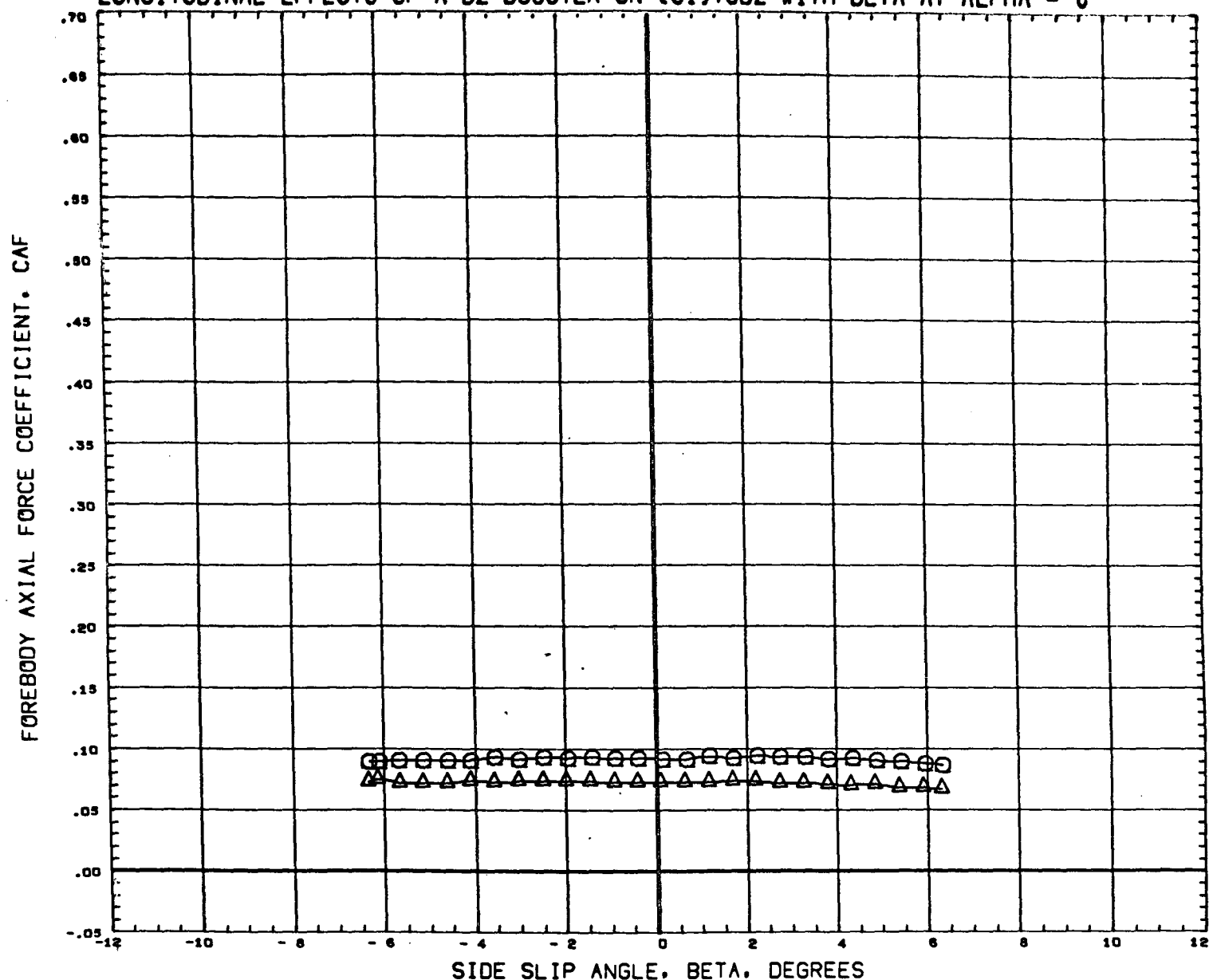


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0



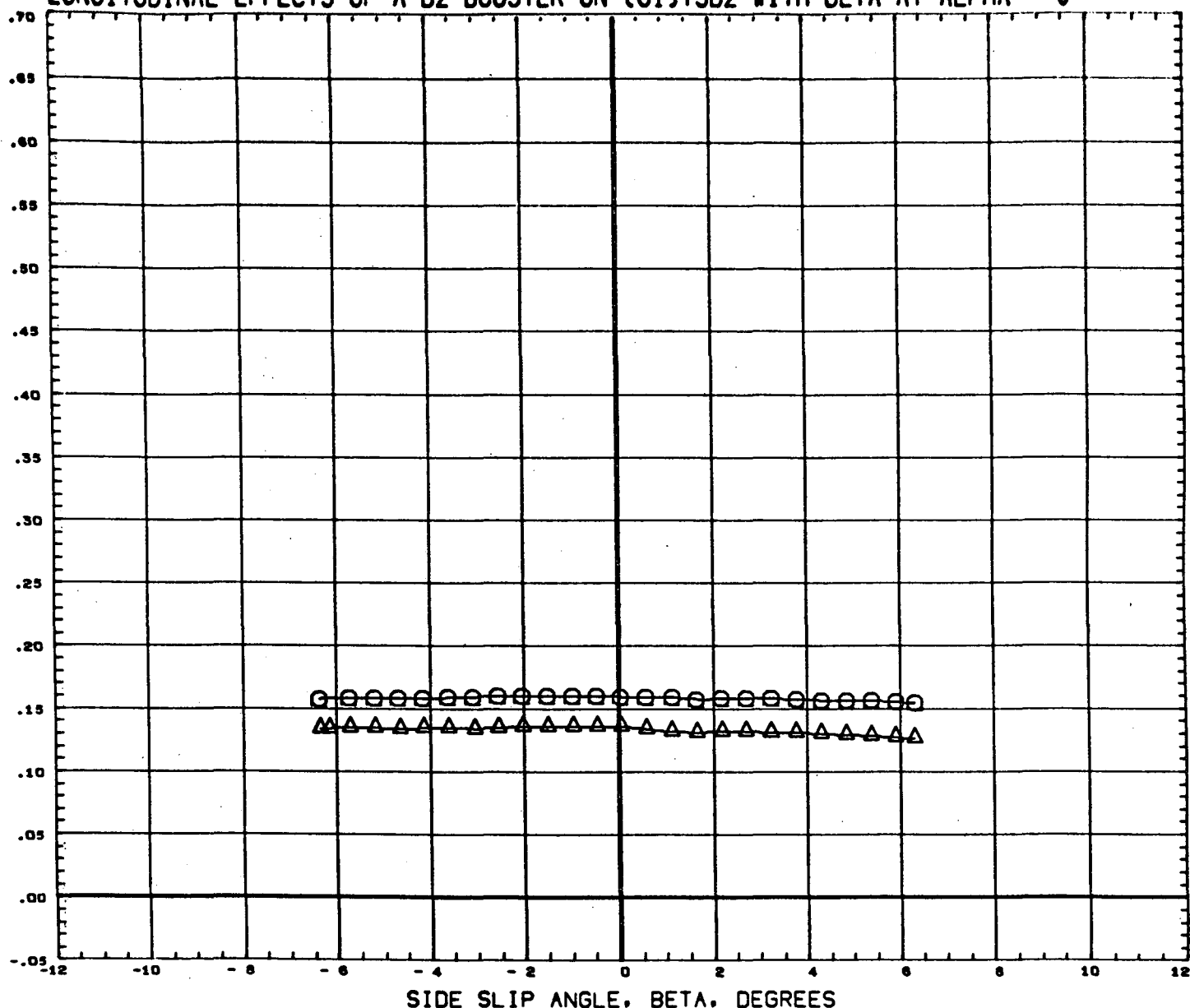
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	682.0004 IN.
						XMRP	337.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



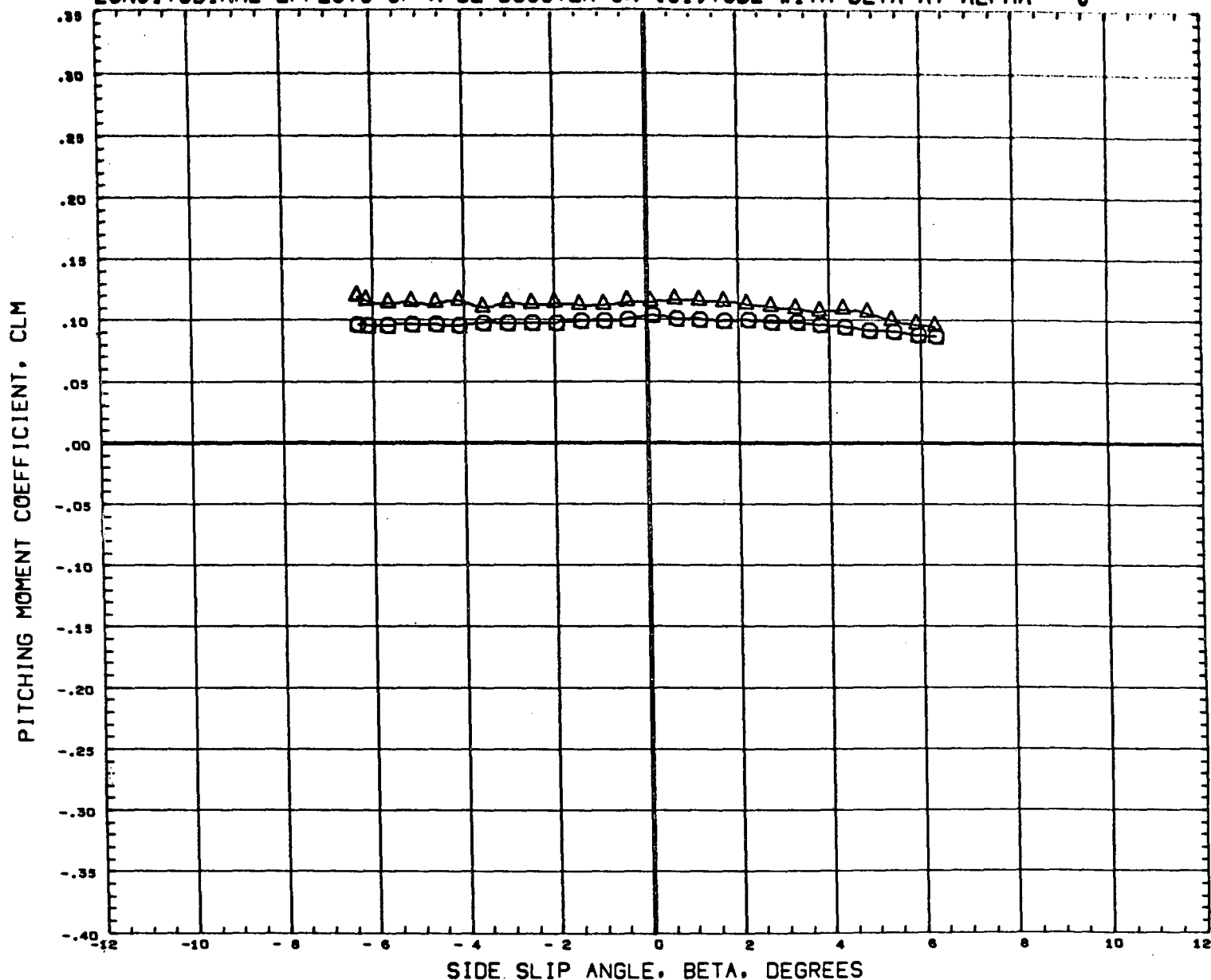
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.9004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0



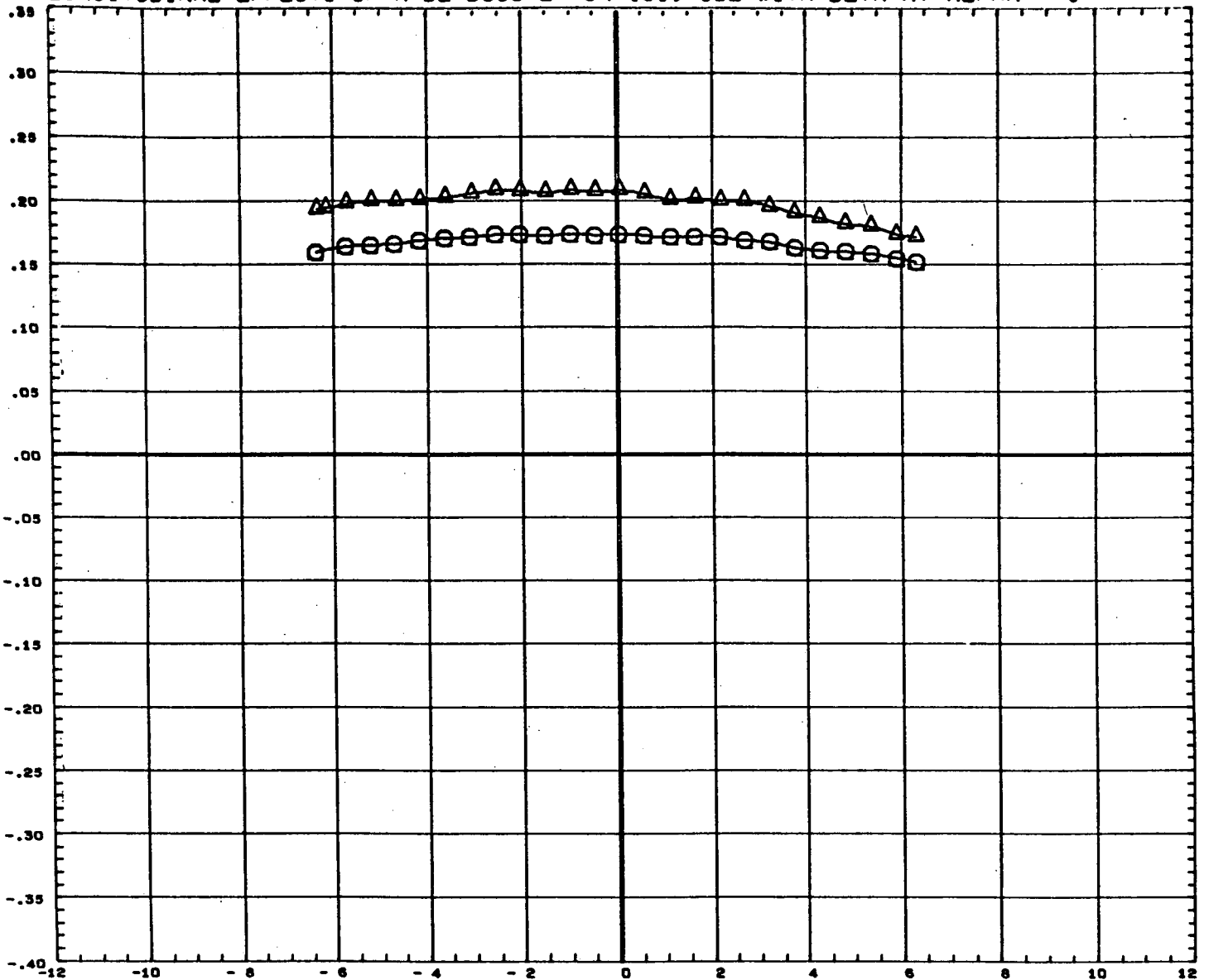
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0

PITCHING MOMENT COEFFICIENT, CLM

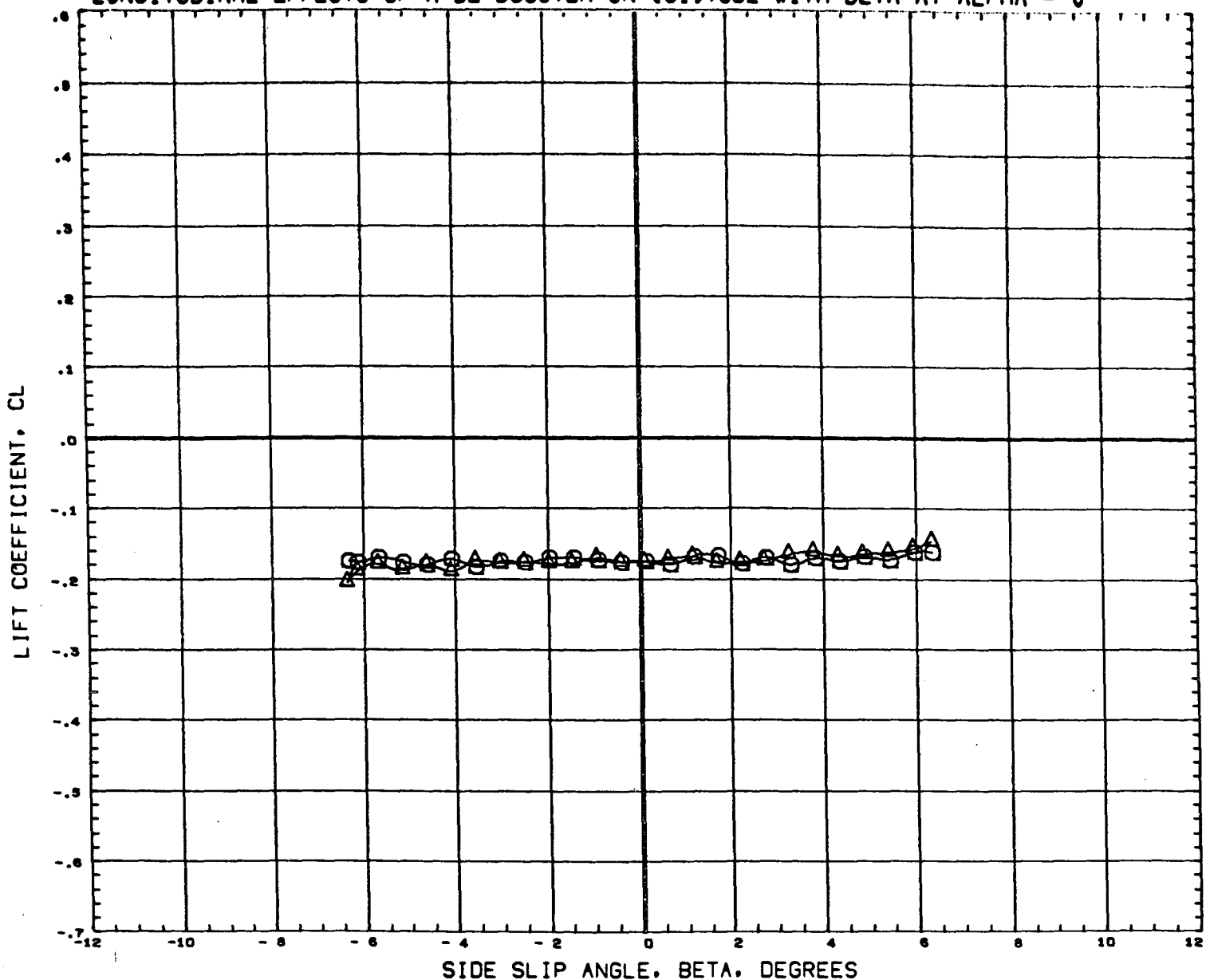


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7483)  MDAC S-222 COMPOSITE (T-CG) (O1)T3B2
 (CD7485)  MDAC S-222 COMPOSITE (T-CG) (O1)T3B2L (B2R)

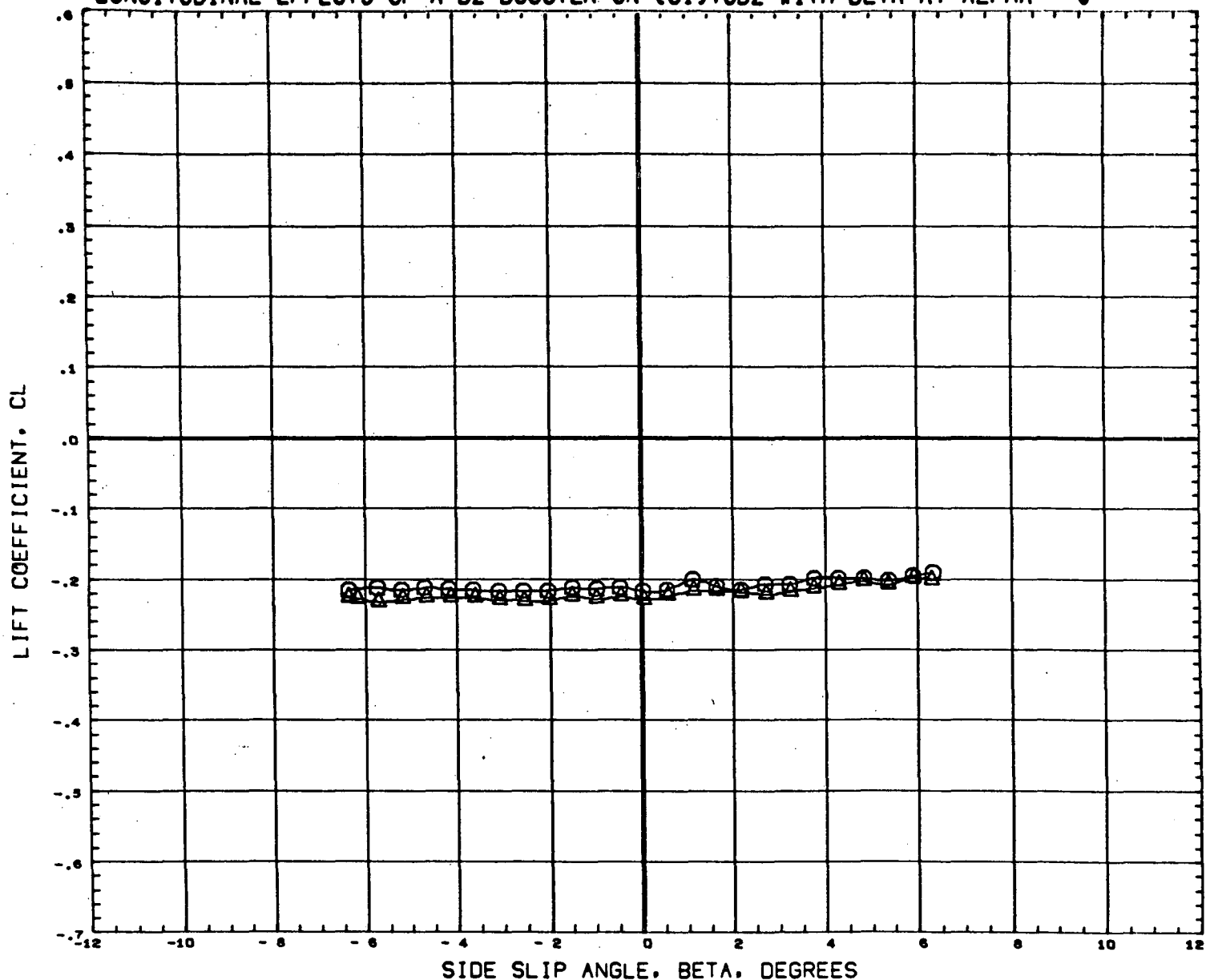
ALPHA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (01)T3B2 WITH BETA AT ALPHA = 0



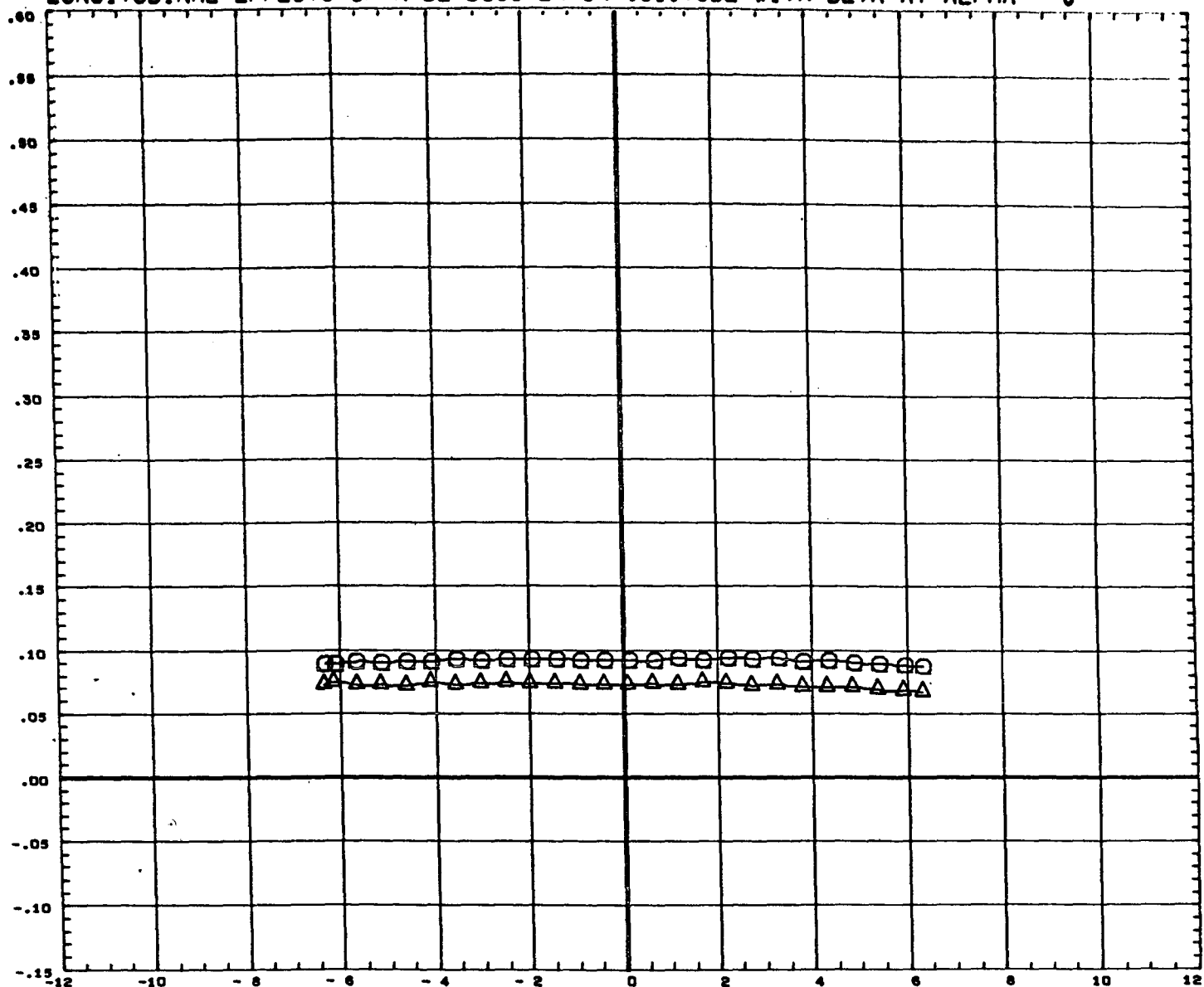
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (01) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF



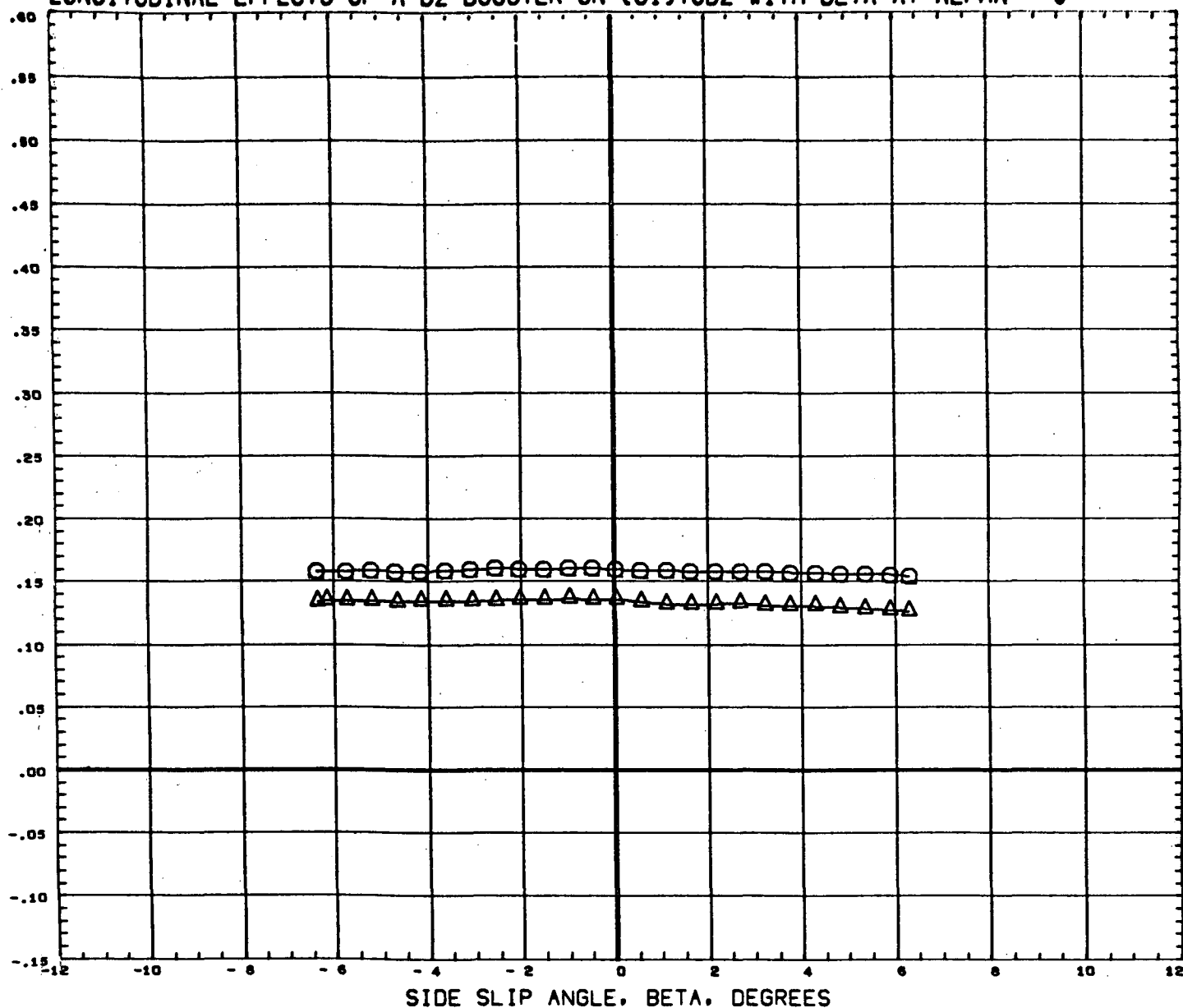
SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH .90

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LONGITUDINAL EFFECTS OF A B2 BOOSTER ON (O1)T3B2 WITH BETA AT ALPHA = 0

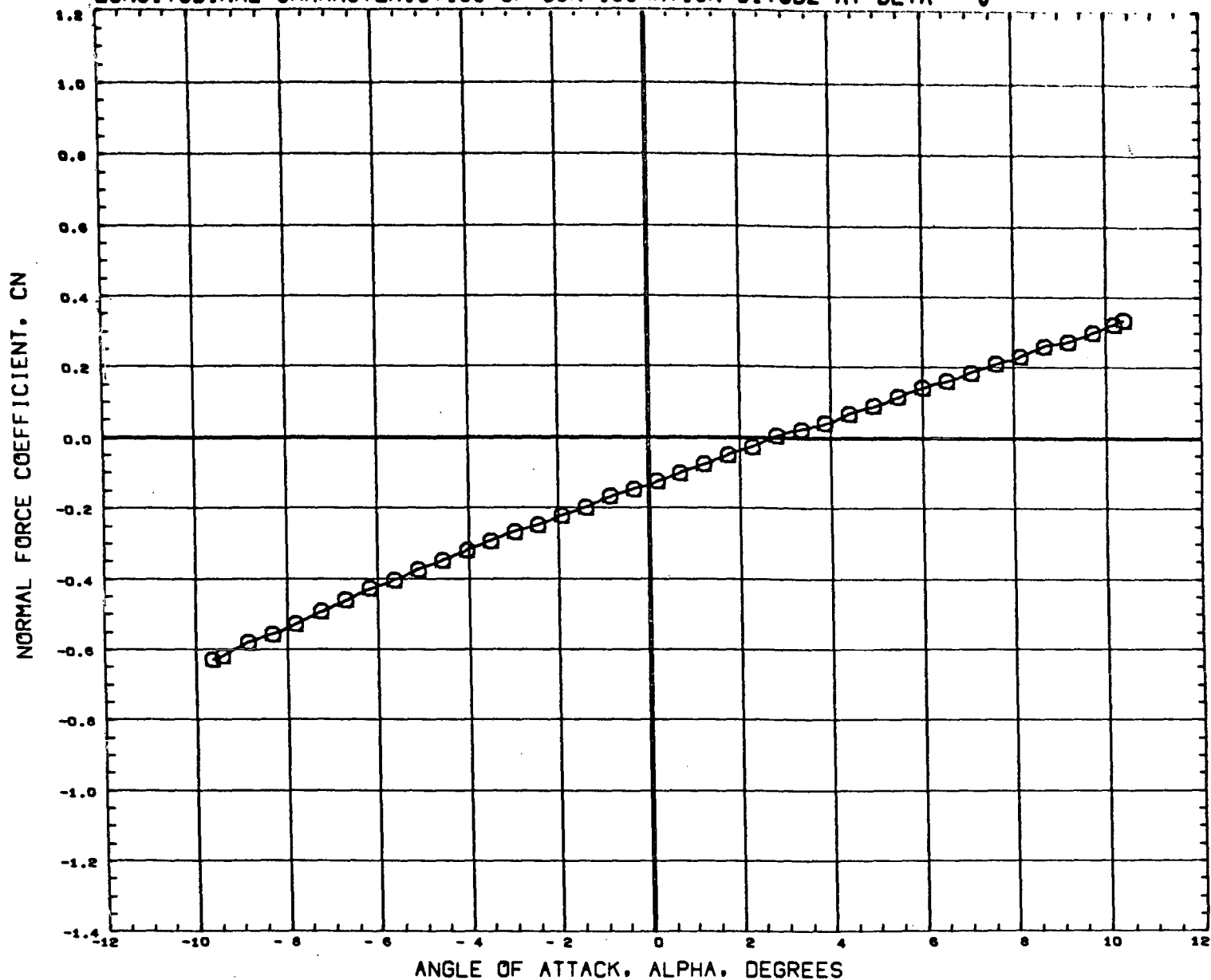


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7483)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7485)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B2L (B2R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	0.000	ATLRON	0.000
		ELEVTR	0.000	RUDDER	0.000

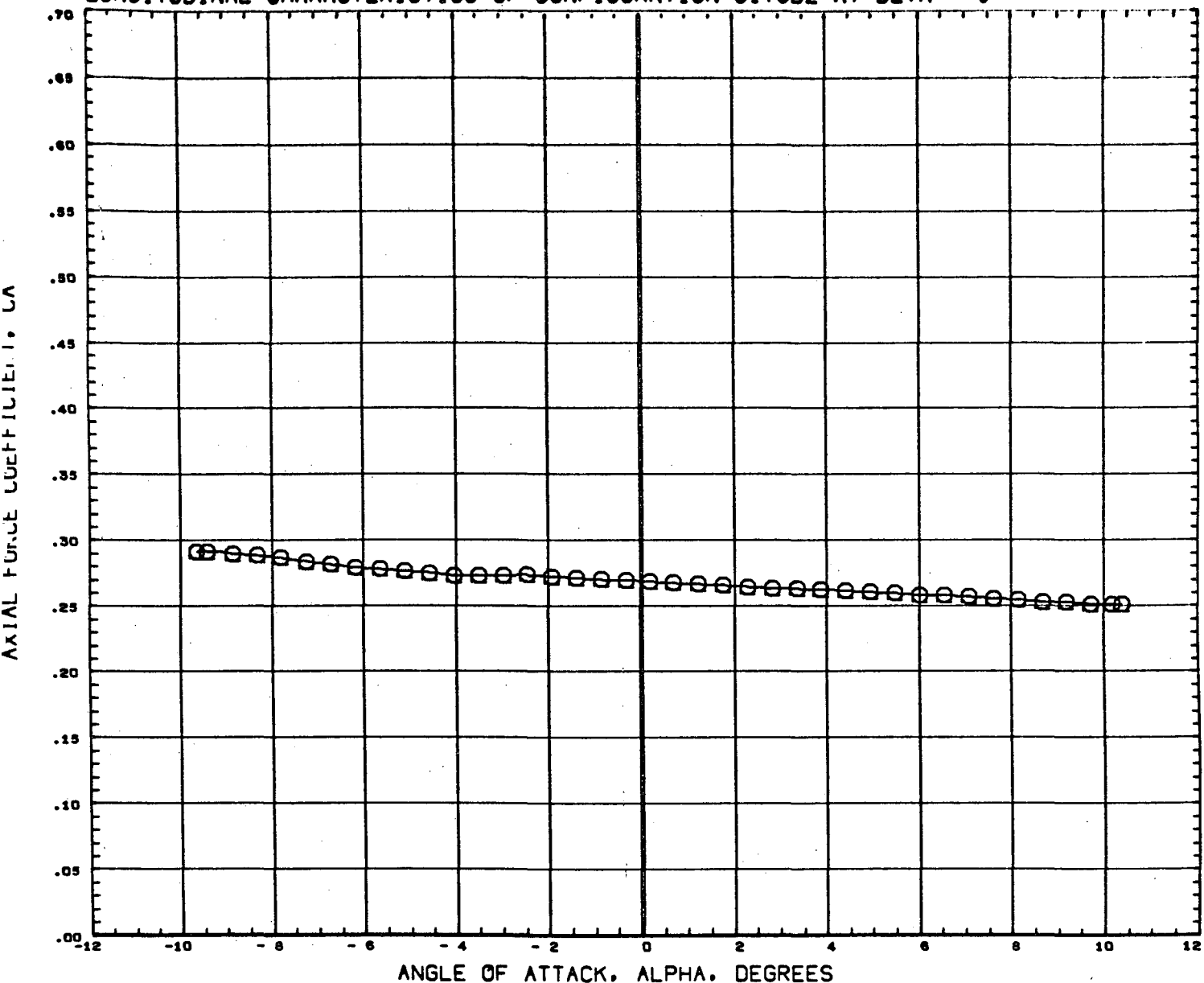
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 168

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL \bigcirc MACH 1.507
 PARAMETRIC VALUES
 BETA 0.000 AILRON 0.000
 ELEVTR 0.000 RUDDER 0.000

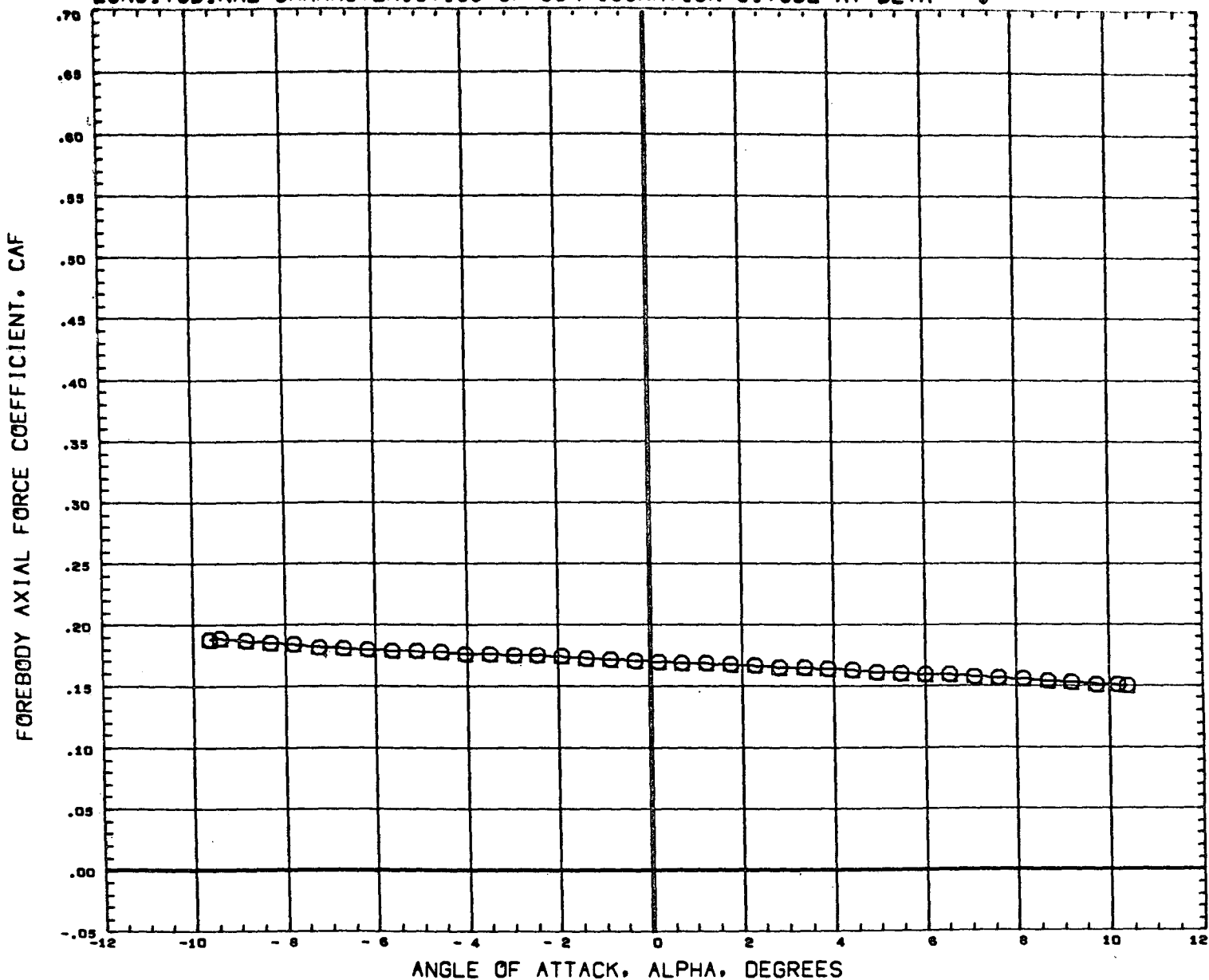
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 169

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	0.000	AILRON	0.000
		ELEVTR	0.000	RUDDER	0.000

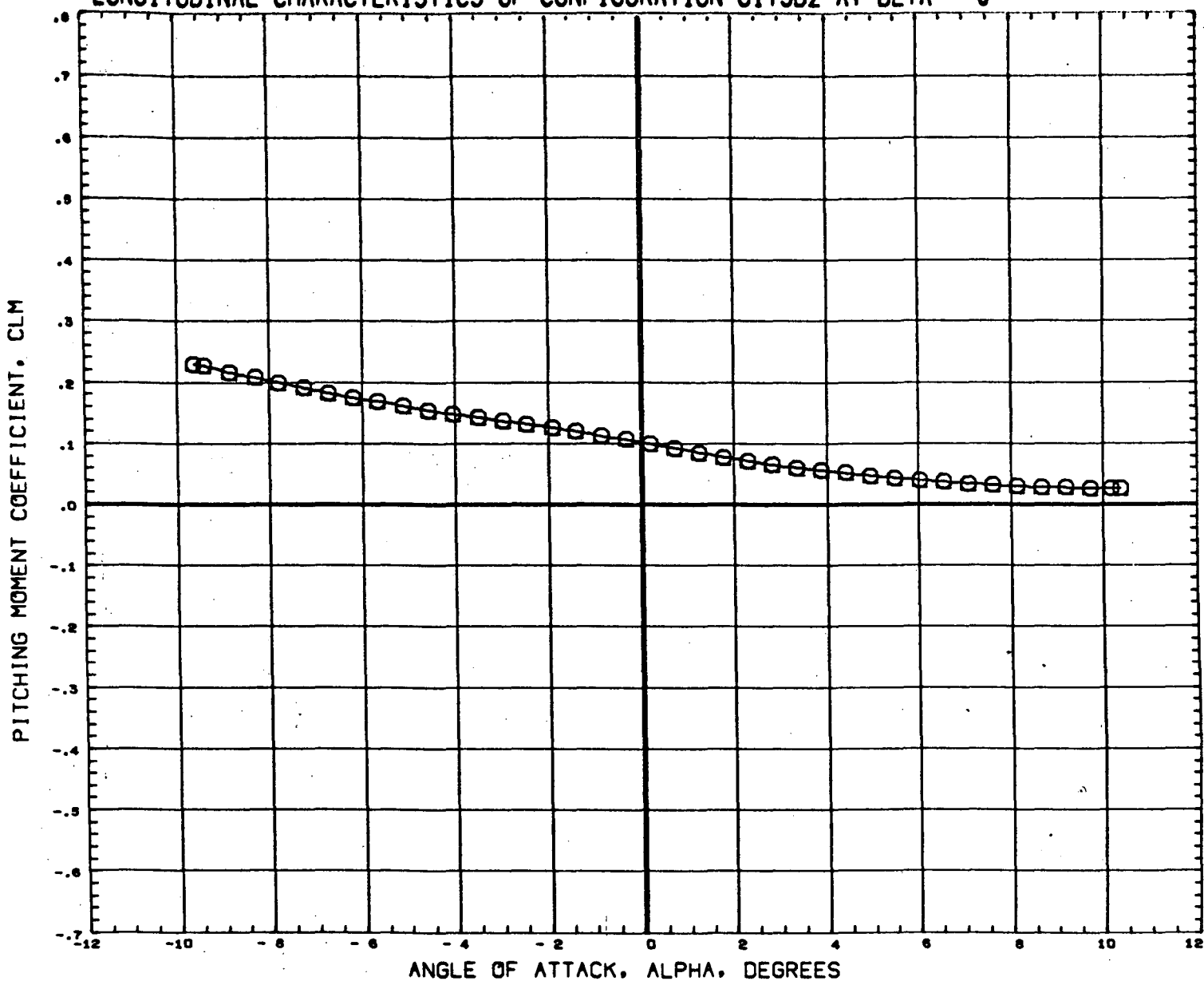
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	357.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 170

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	0.000	AILRON	0.000
		ELEVTR	0.000	RUDDER	0.000

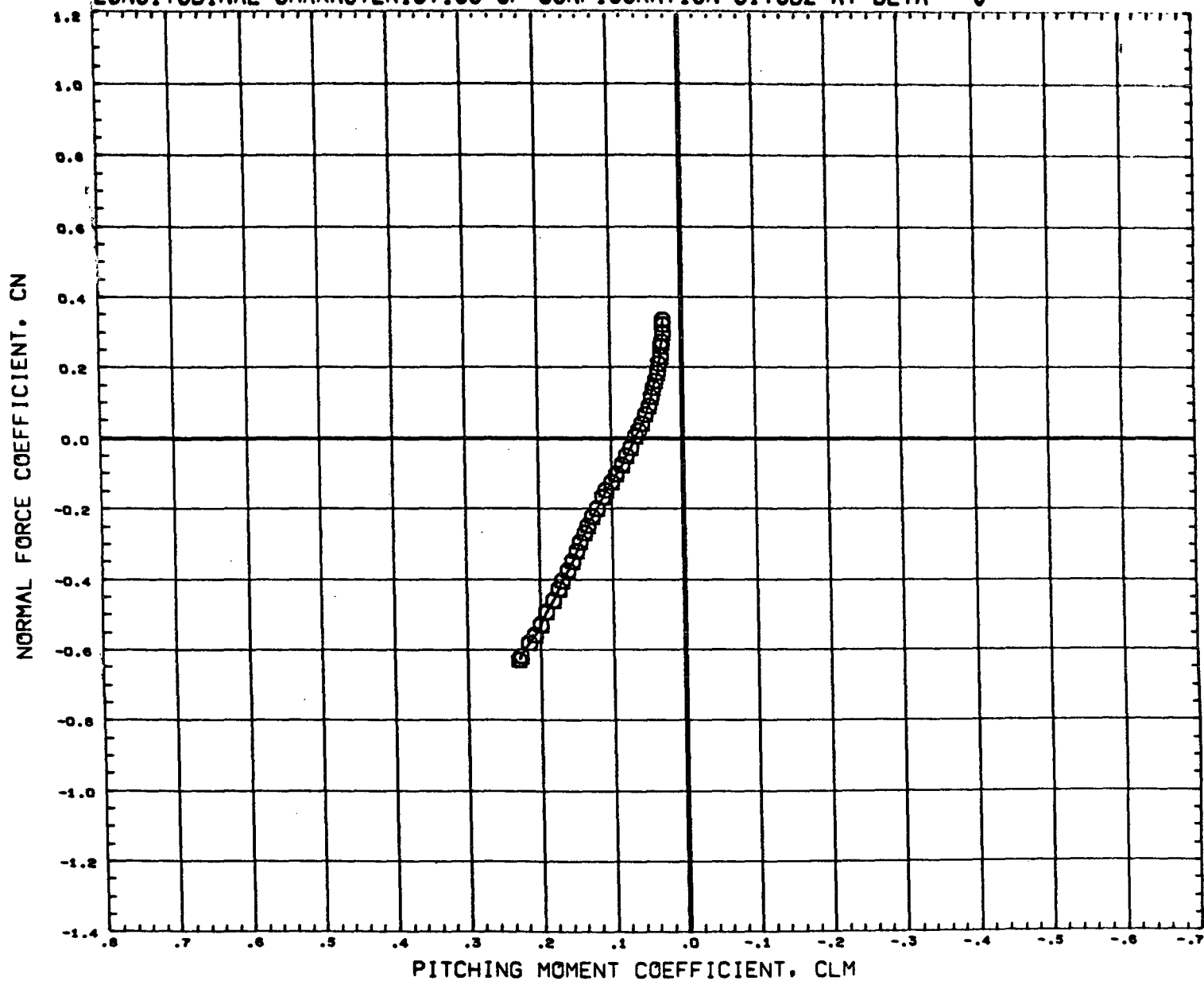
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 171

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	0.000	AILRON	0.000
		ELEVTR	0.000	RUDDER	0.000

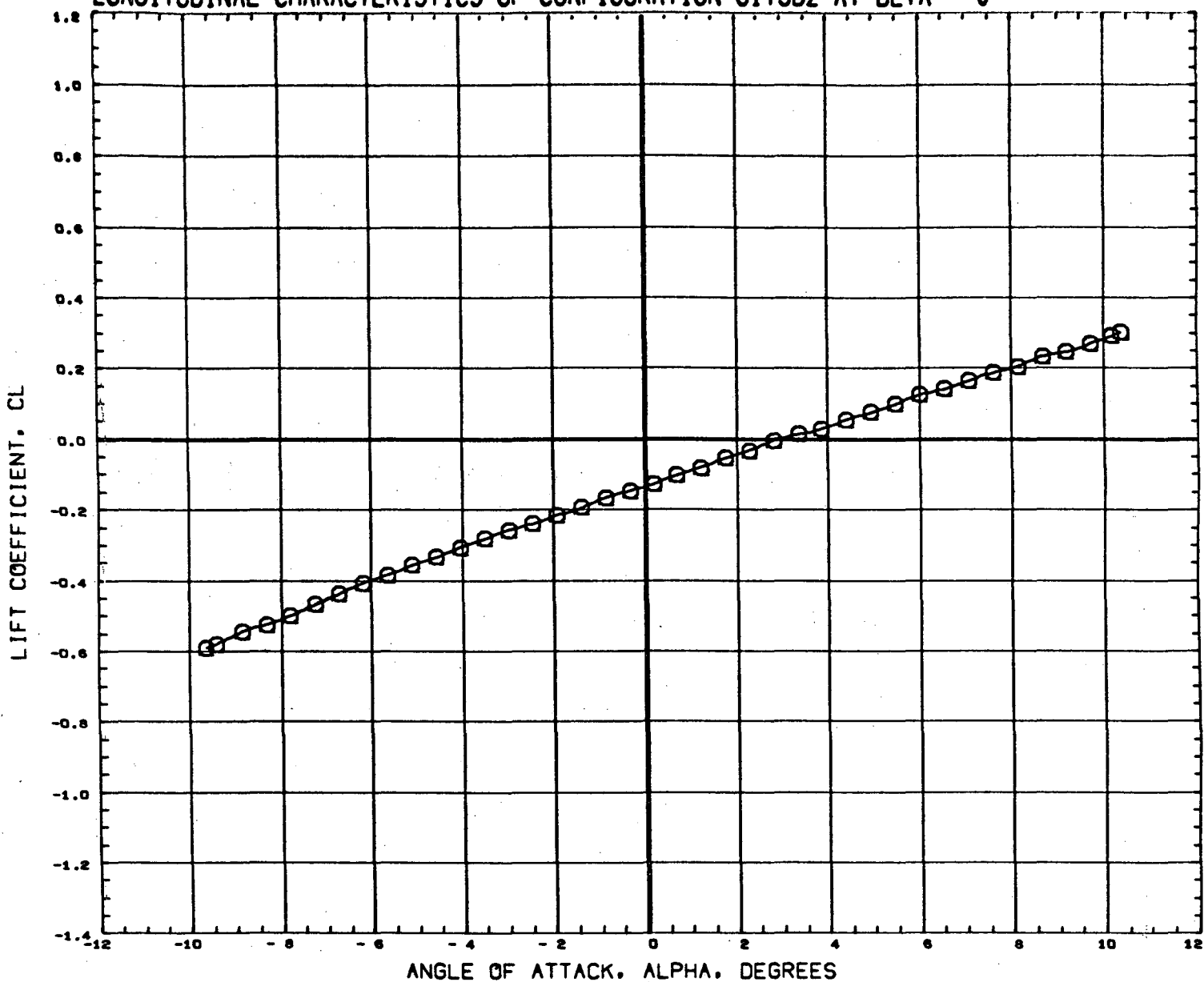
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 172

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	0.000	AILRON	0.000
		ELEVTR	0.000	RUDDER	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

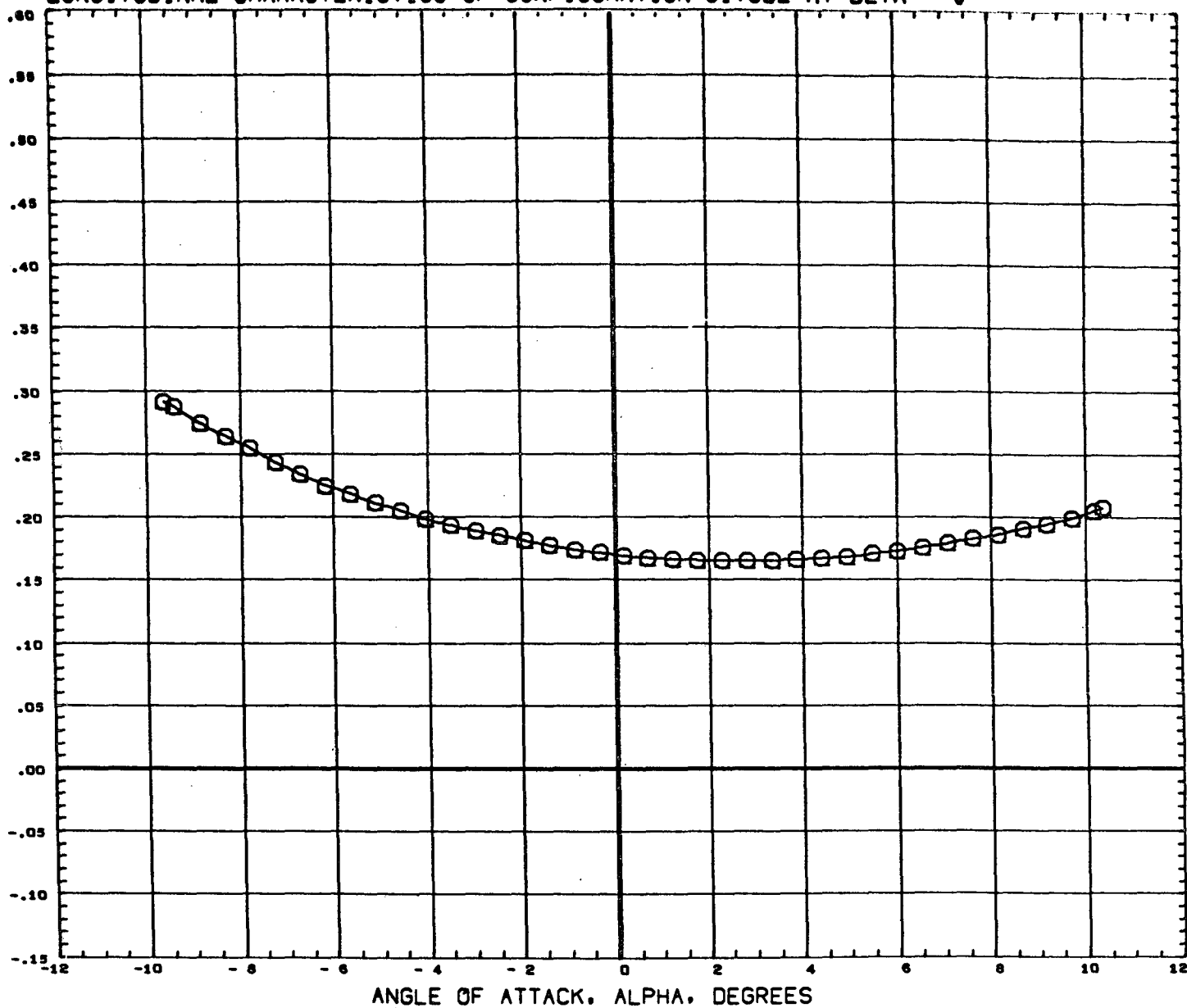
DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 173

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	0.000	AILRON	0.000
		ELEVTR	0.000	RUDDER	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

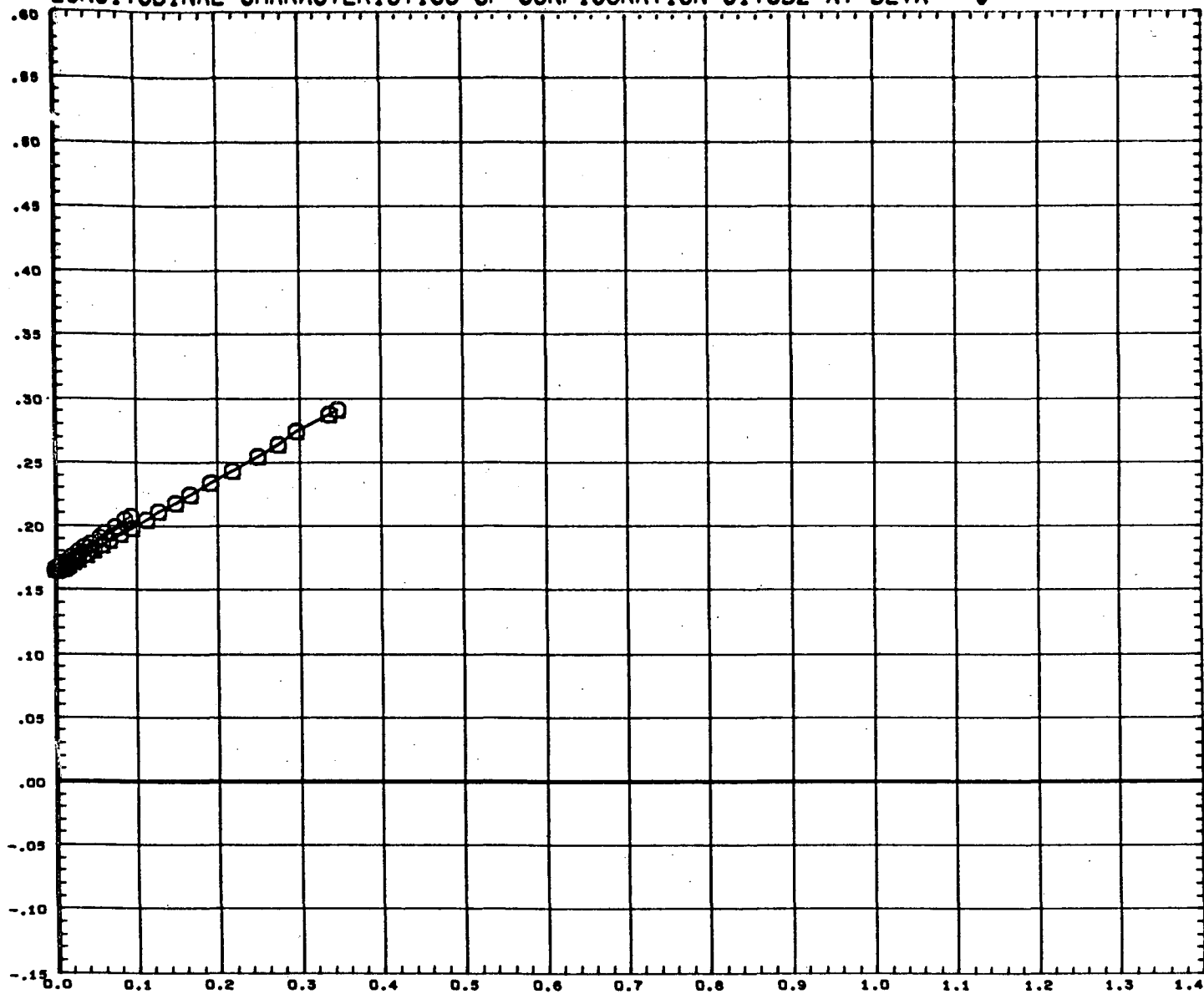
DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 174

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	0.000	AILRON	0.000
		ELEVTR	0.000	RUDDER	0.000

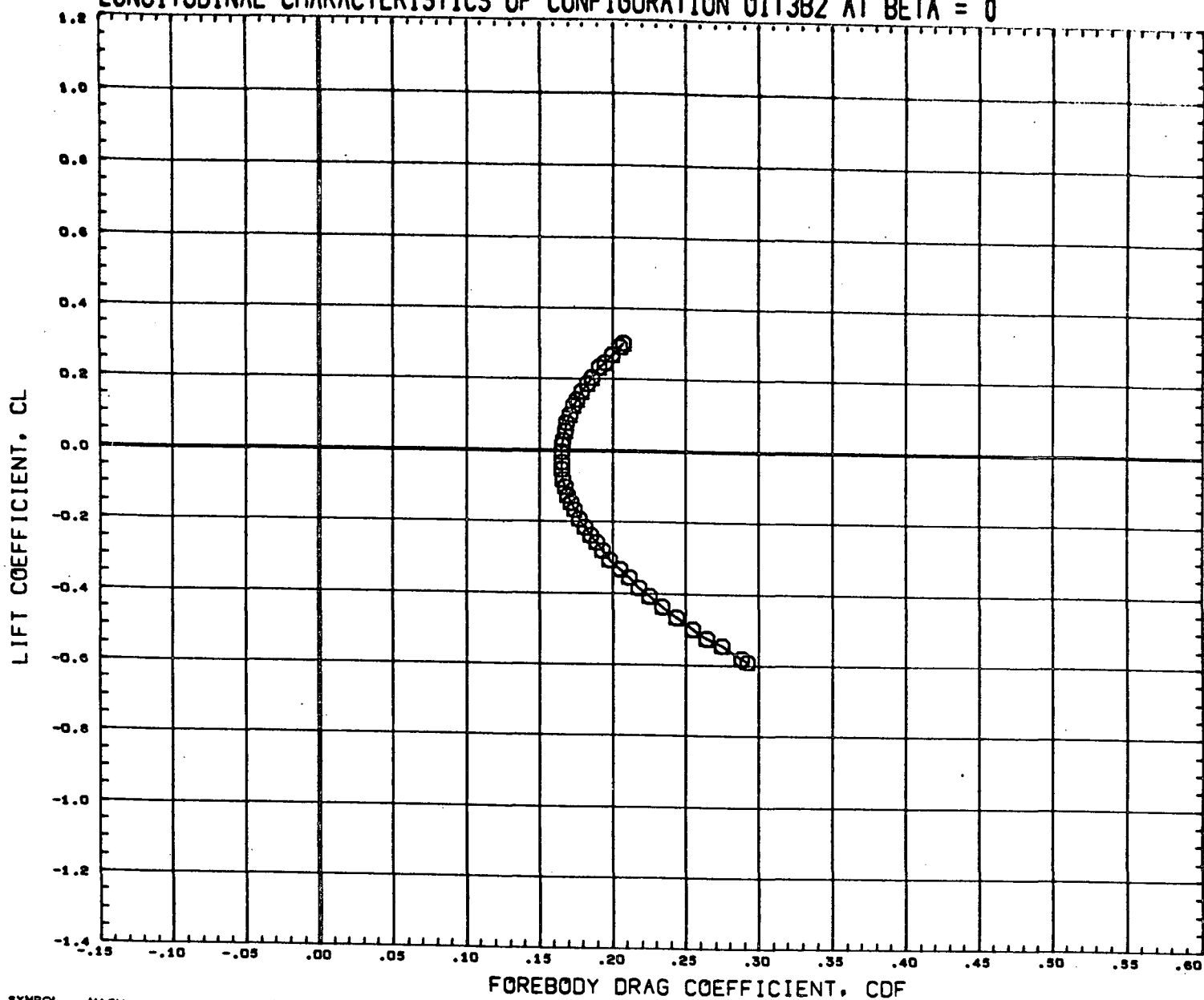
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 175

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL \bigcirc MACH 1.507
 PARAMETRIC VALUES
 BETA 0.000 AILRON 0.000
 ELEVTR 0.000 RUDDER 0.000

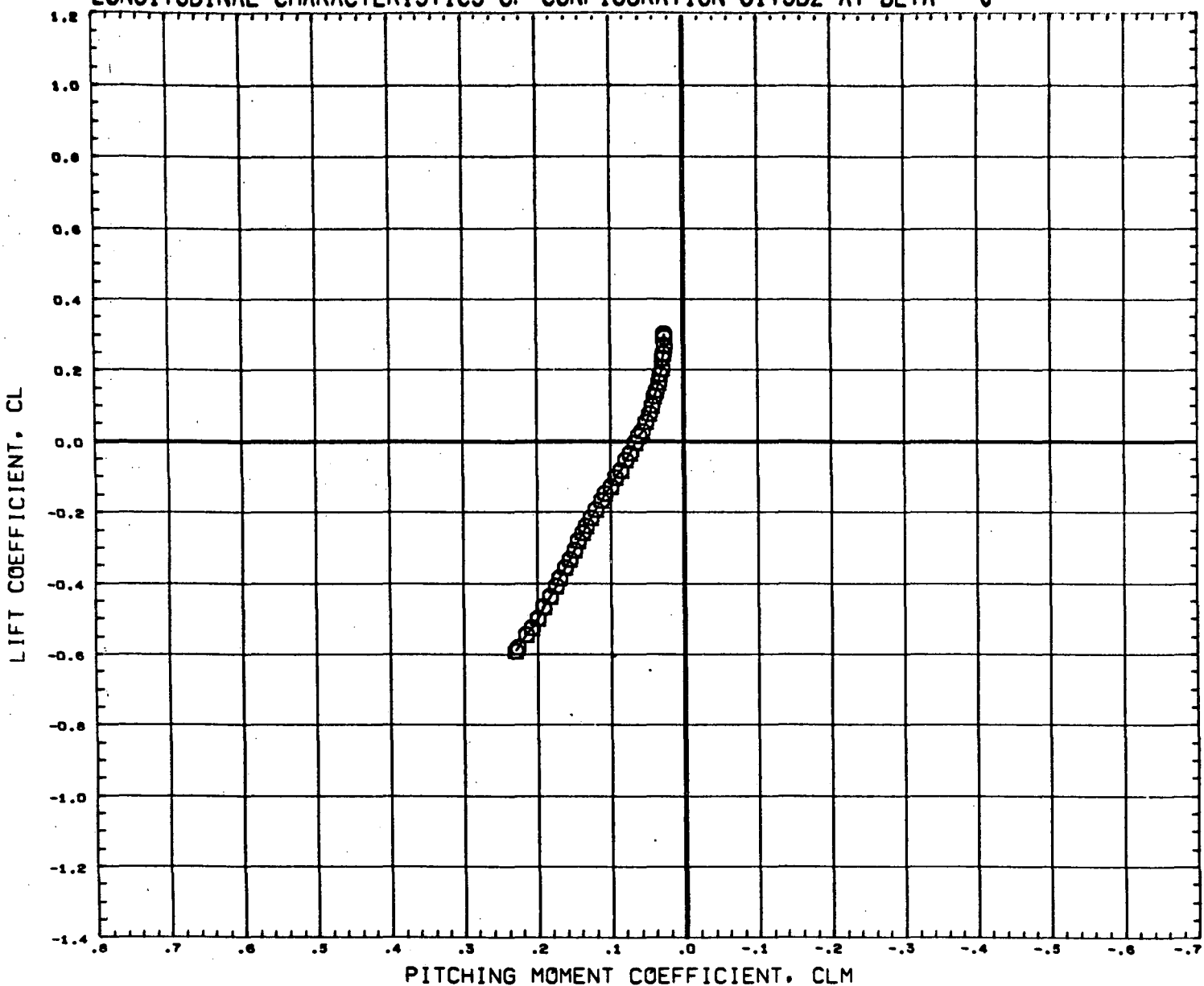
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

DATA HIST. CODE MVTY

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 176

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 0



SYMBOL	MACH	PARAMETRIC VALUES			
Q	1.507	BETA	0.000	AILRON	0.000
		ELEVTR	0.000	RUDDER	0.000

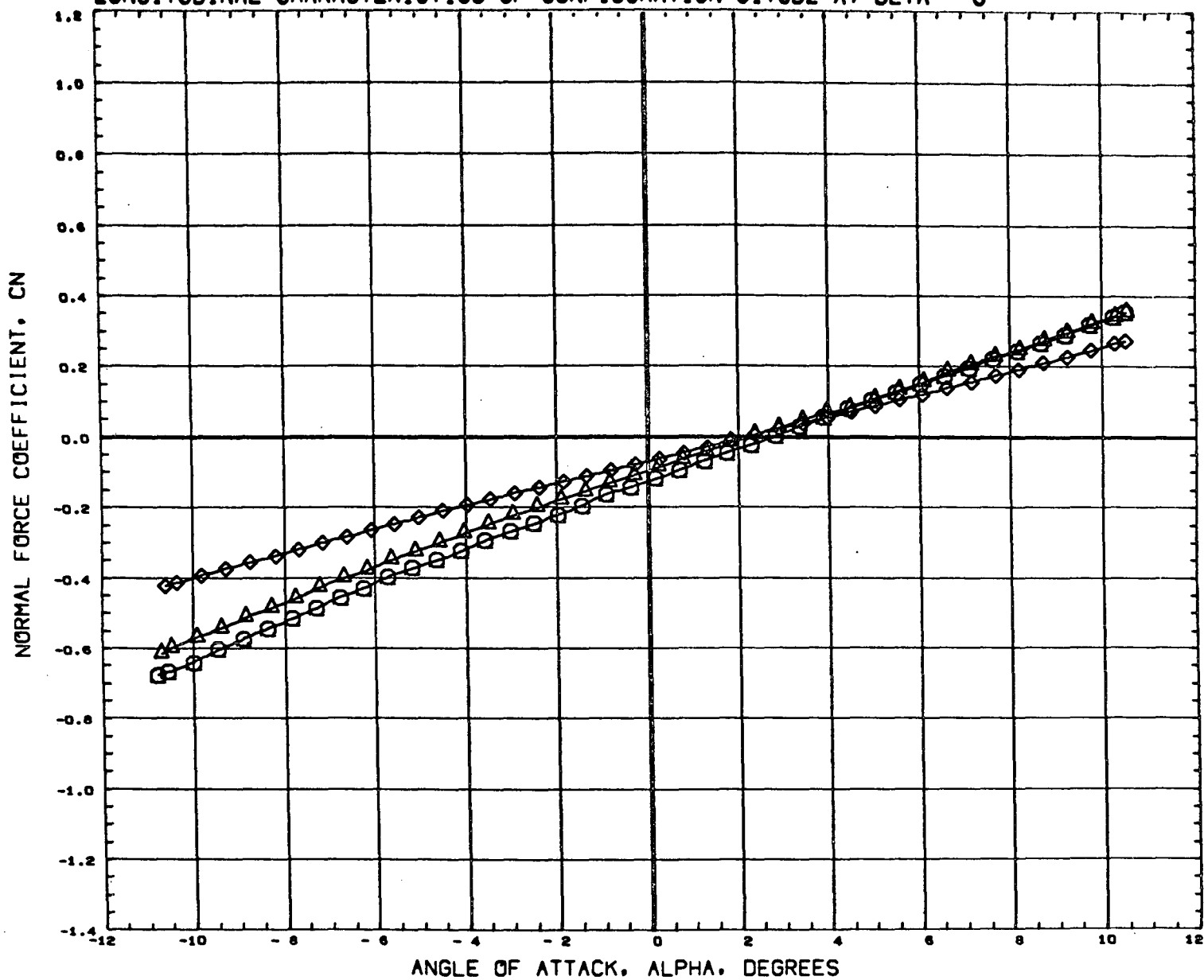
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7518) 18 SEP 72 PAGE 177

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	BETA	PARAMETRIC VALUES	ATLON	0.000
○	1.507	6.000	ELEVTR	0.000	RUDDER
△	2.203	0.000			
◇	4.469				

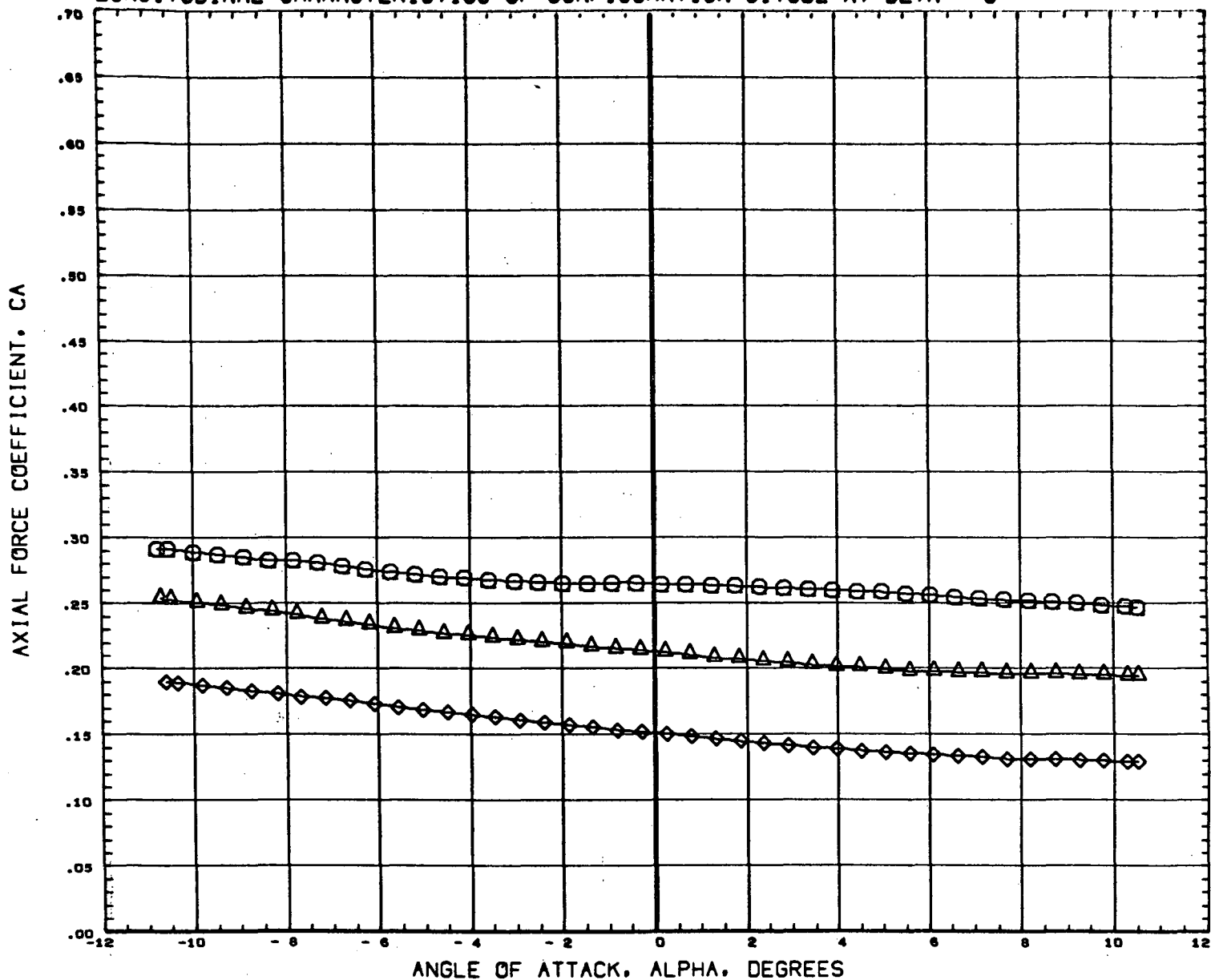
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 178

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

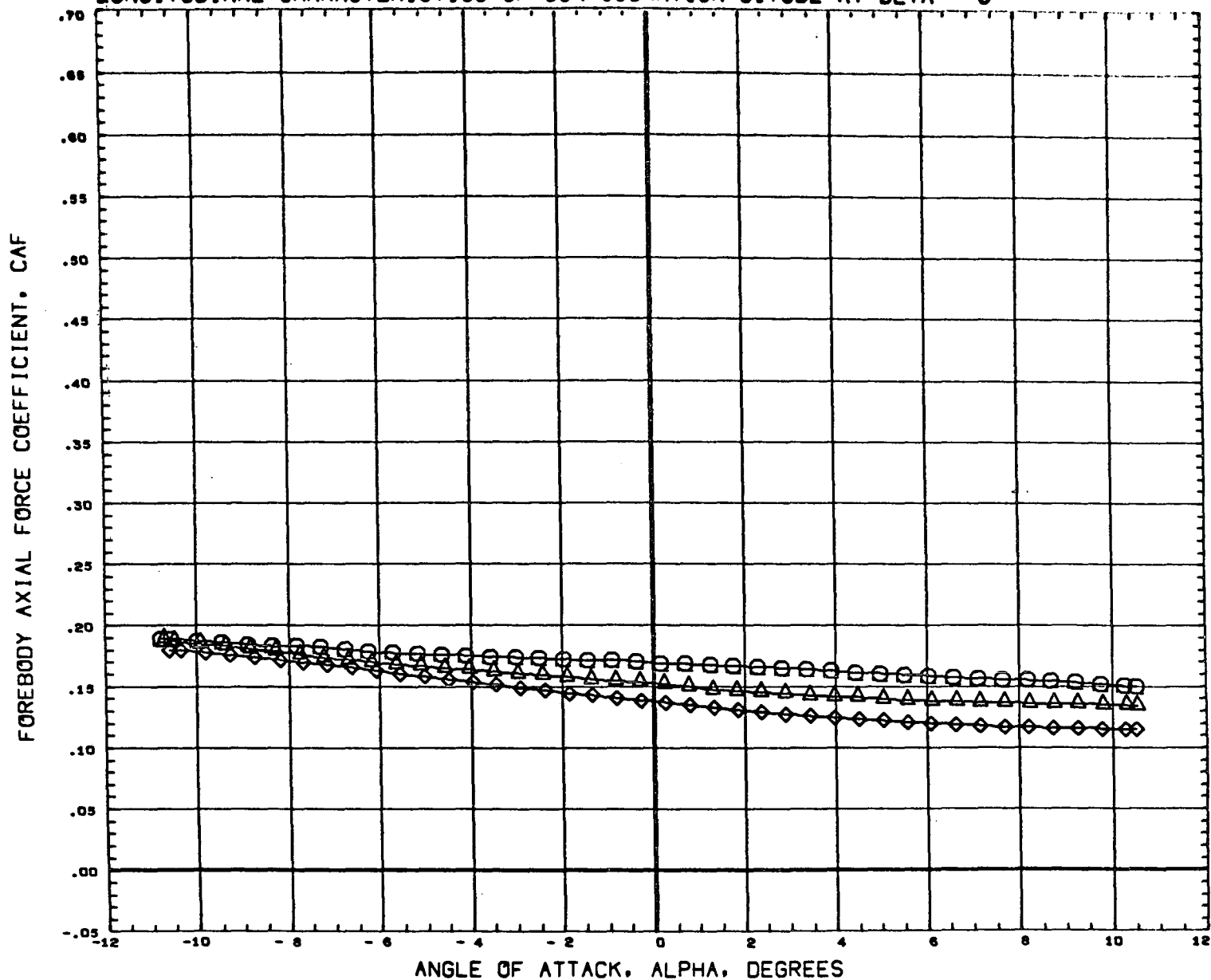
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 179

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

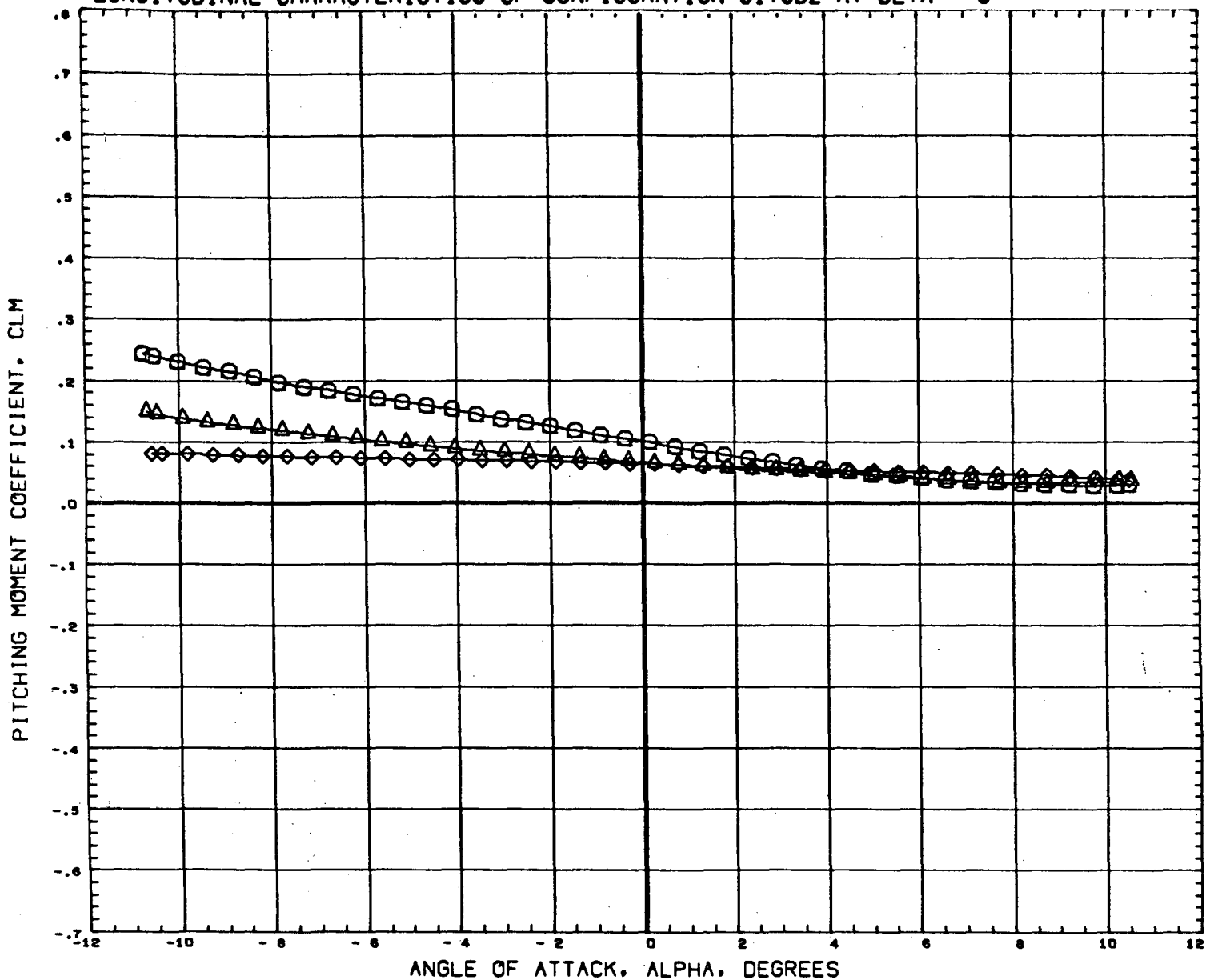
REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	682.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 180

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

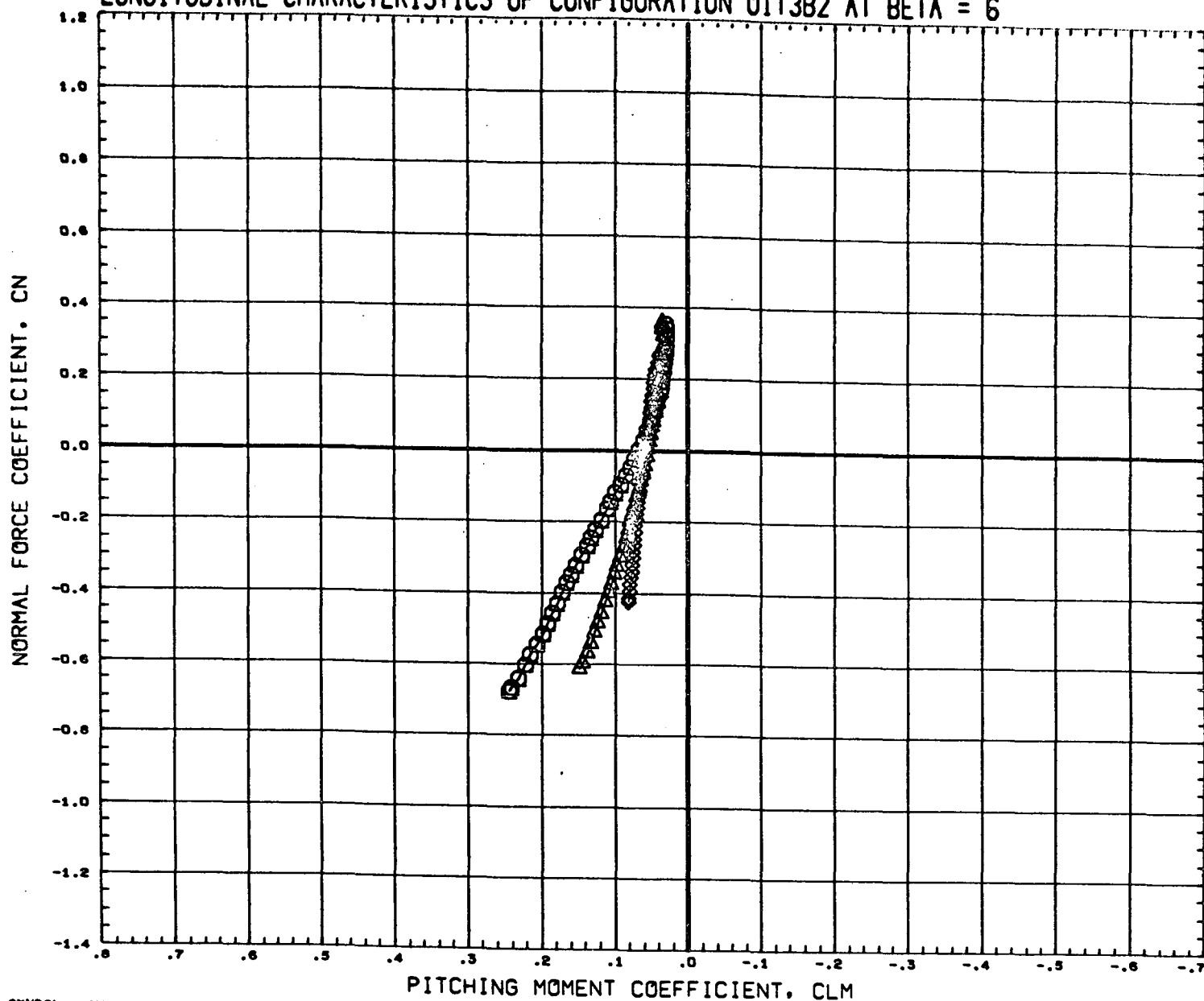
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 181

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

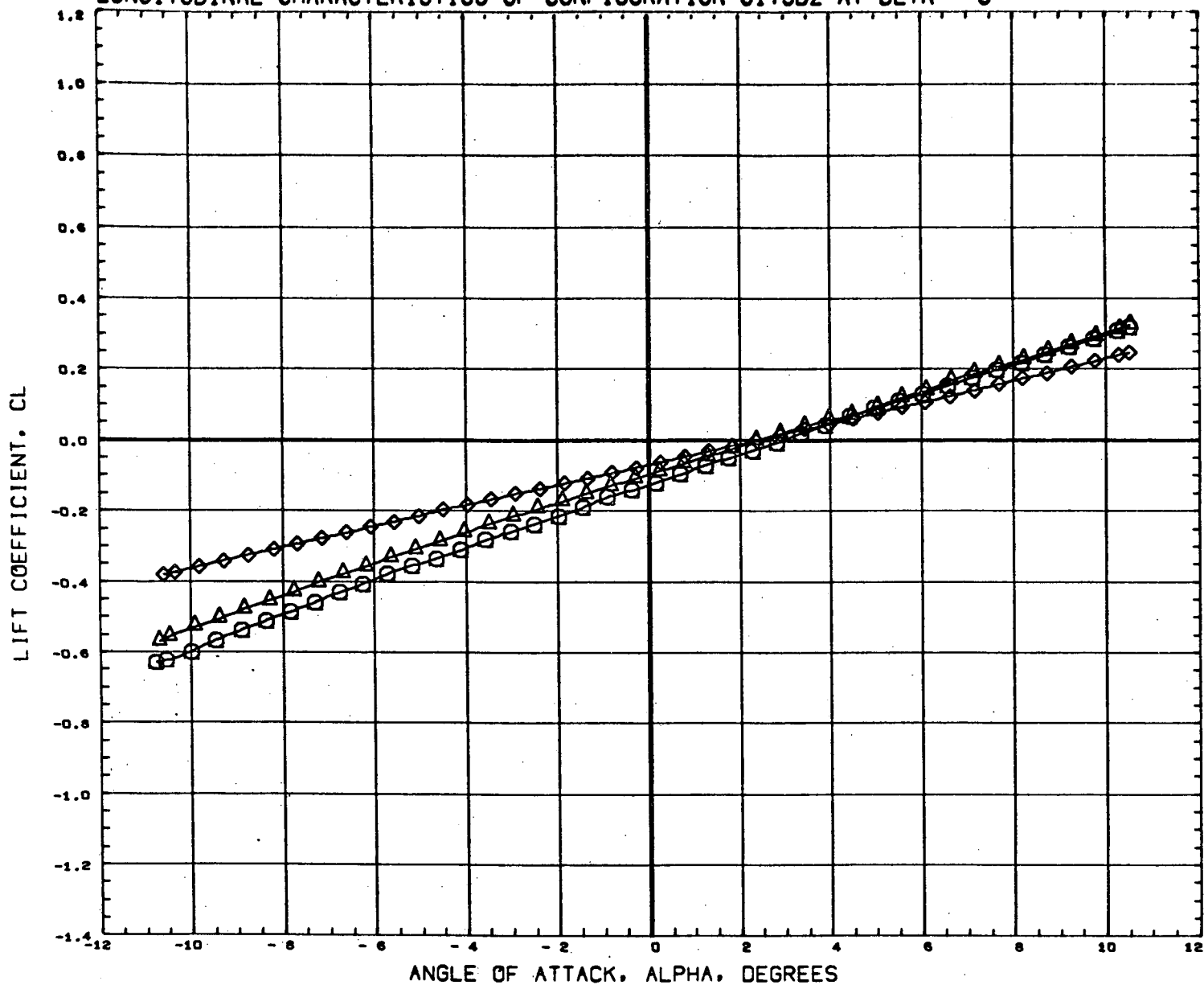
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 182

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

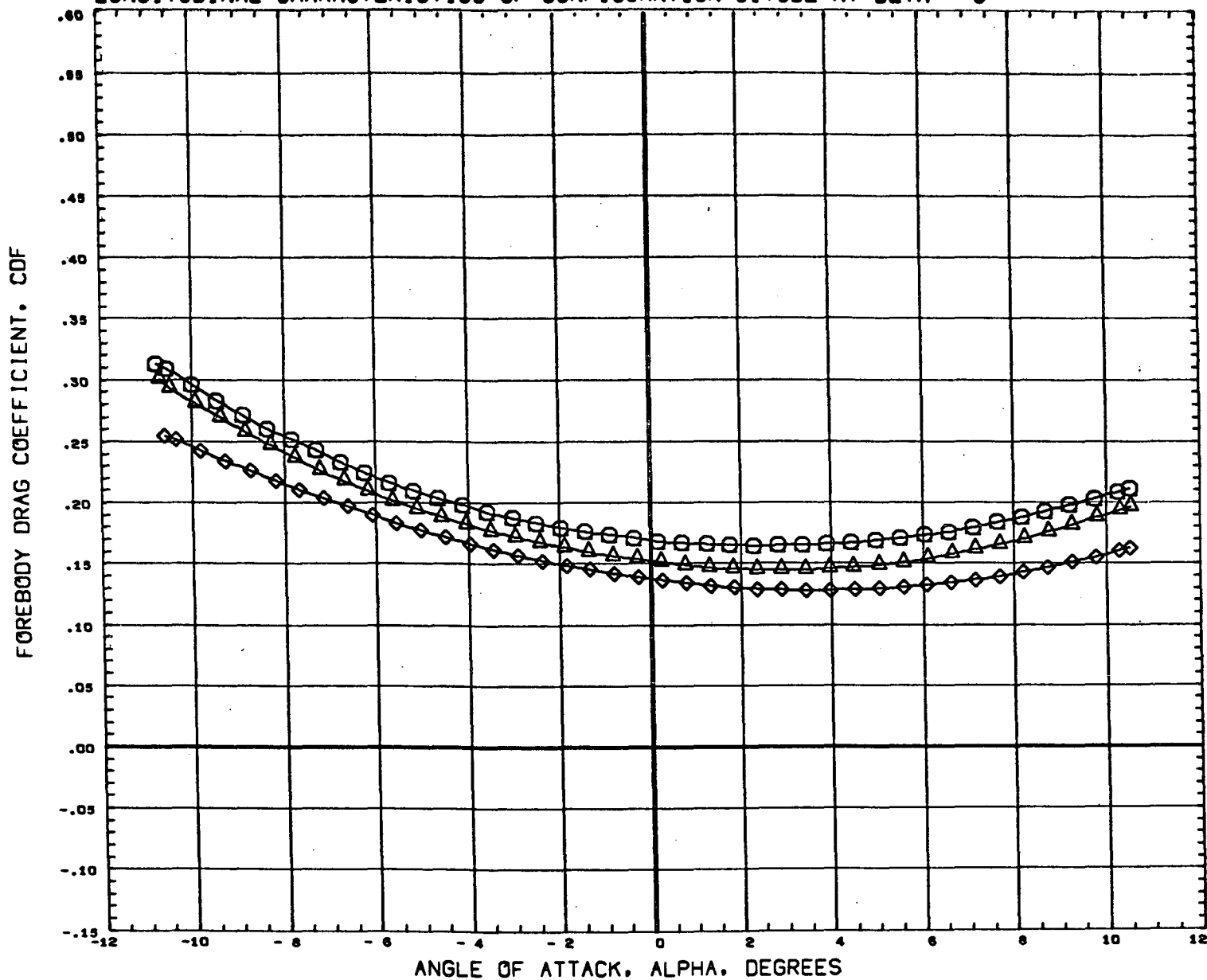
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-C6) 01T3B2

(CD7519) 18 SEP 72 PAGE 183

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.907	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	537.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

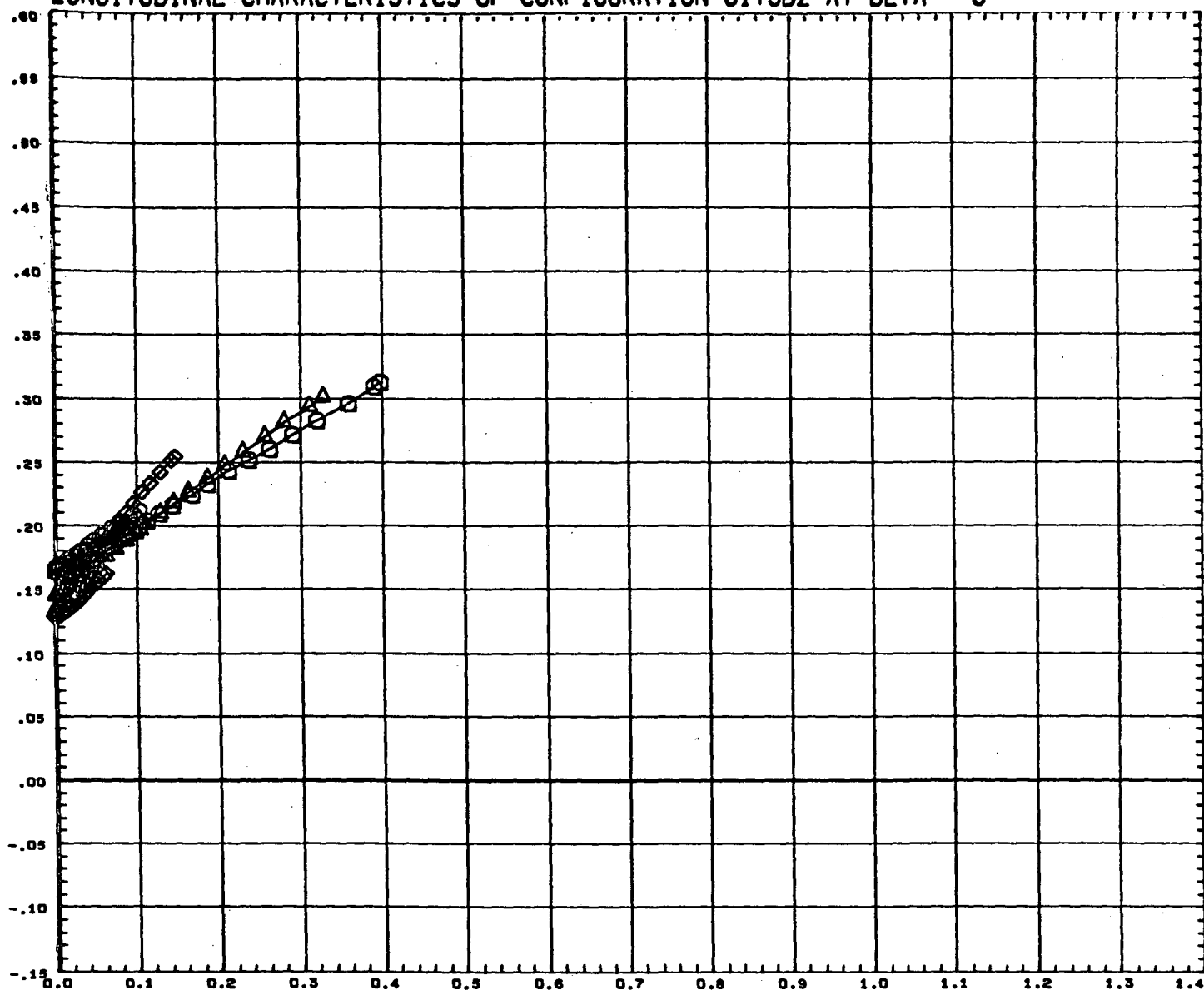
DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 184

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

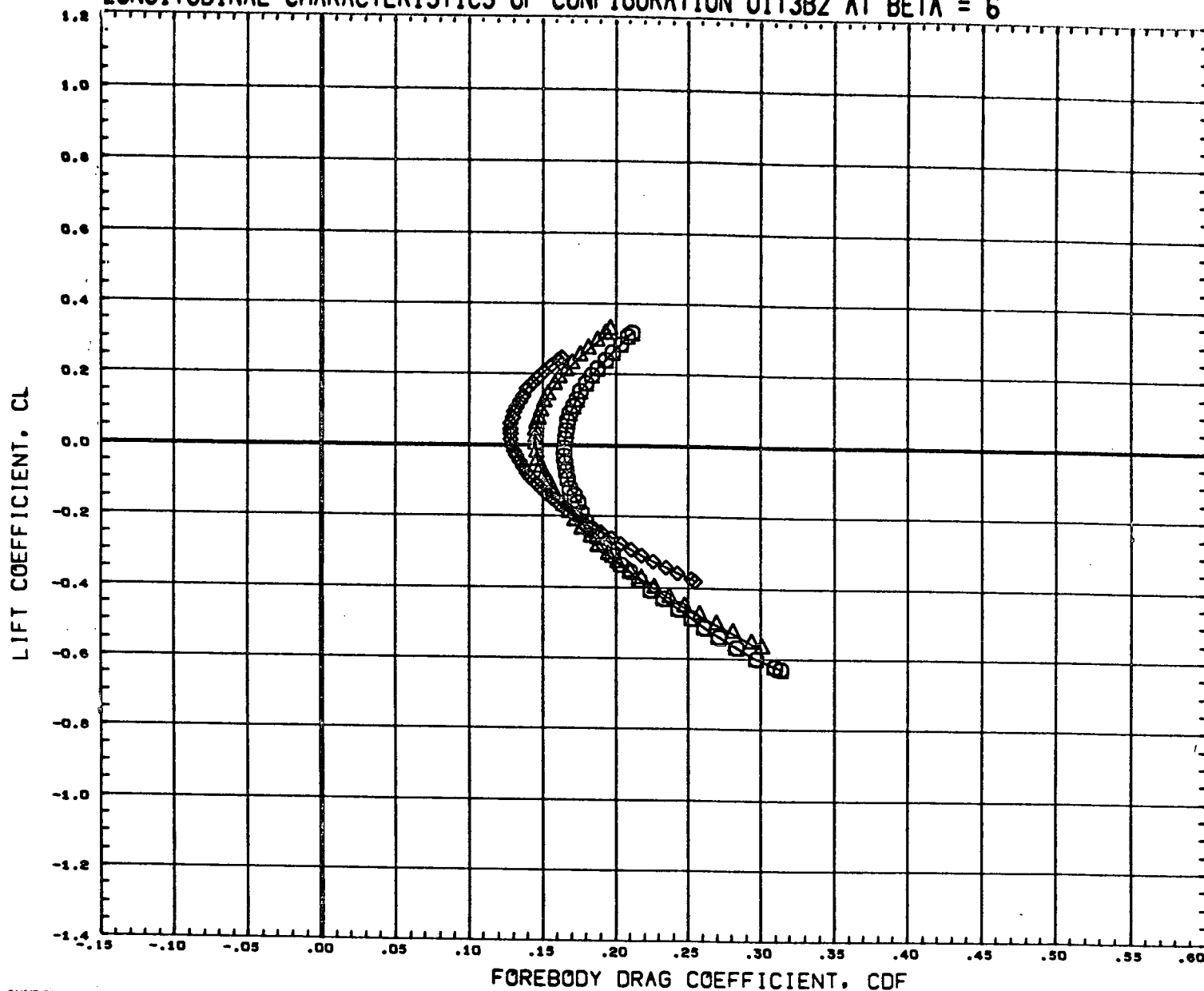
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 185

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

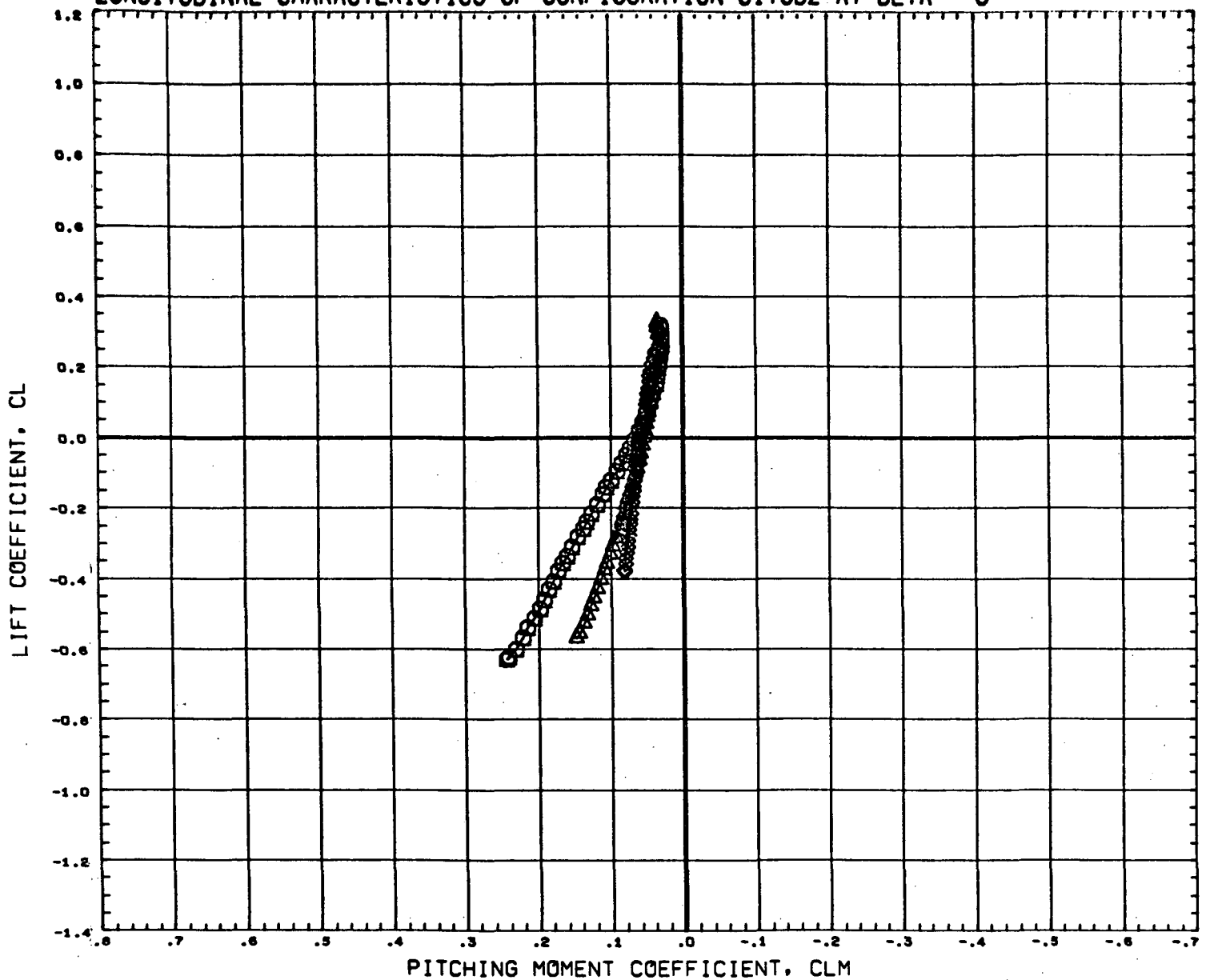
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(CD7519) 18 SEP 72 PAGE 186

LONGITUDINAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6

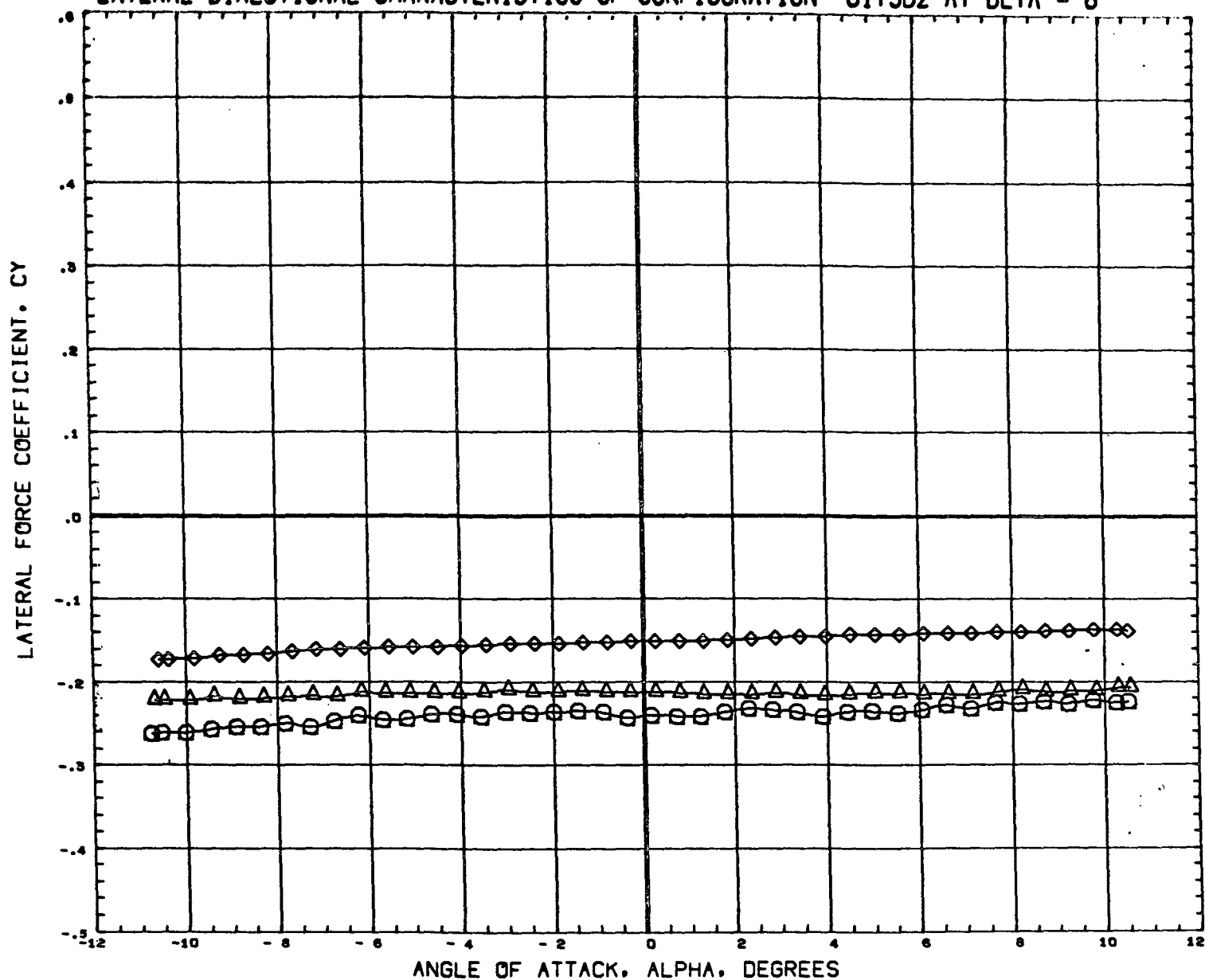


SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMHP	557.0004	IN.
YMHP	0.0000	IN.
ZMHP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MVTV

LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6

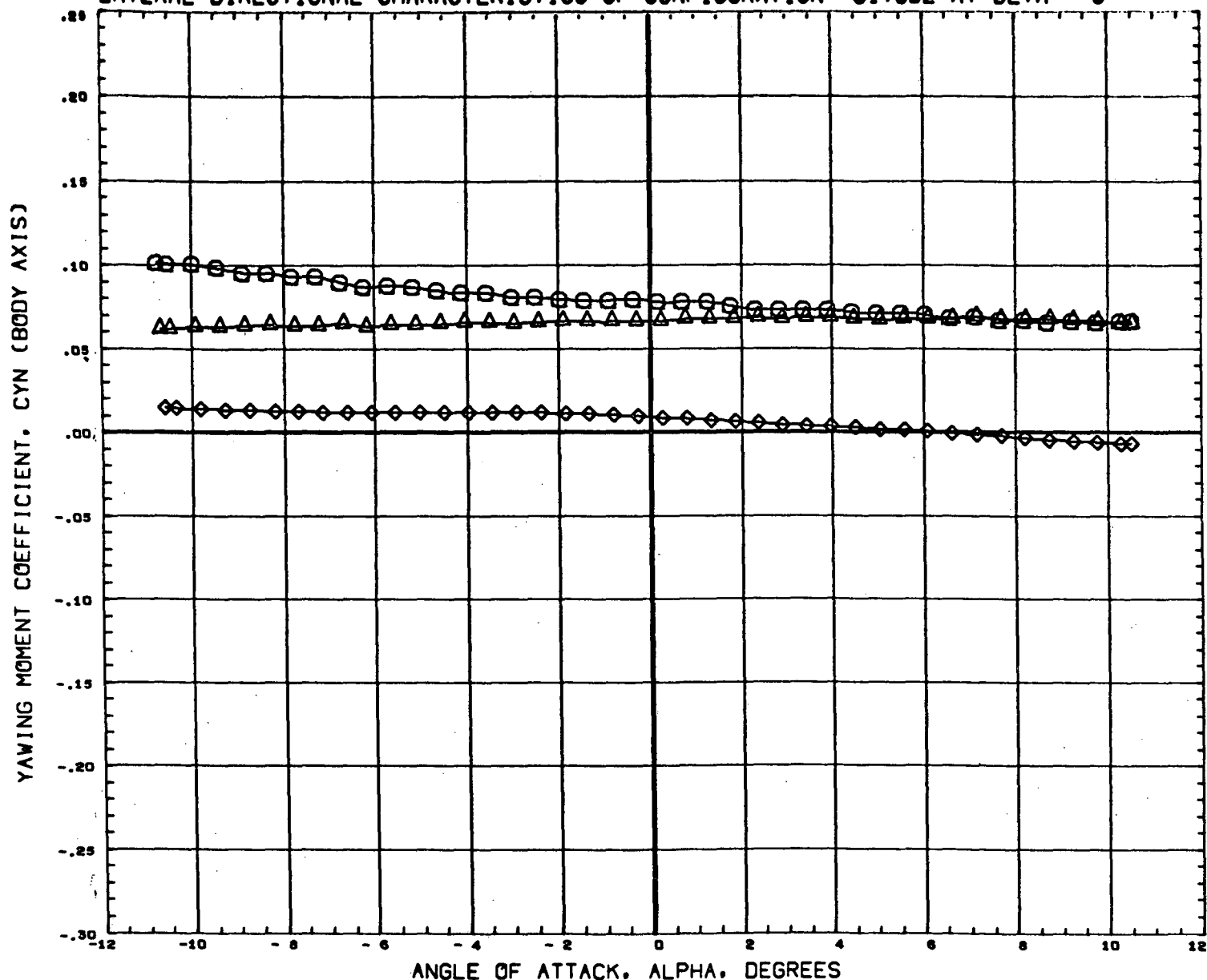


SYMBOL	MACH	PARAMETRIC VALUES		
○	1.507	BETA	6.000	AILRON 0.000
△	2.203	ELEVTR	0.000	RUDDER 0.000
◇	4.469			

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MV

LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

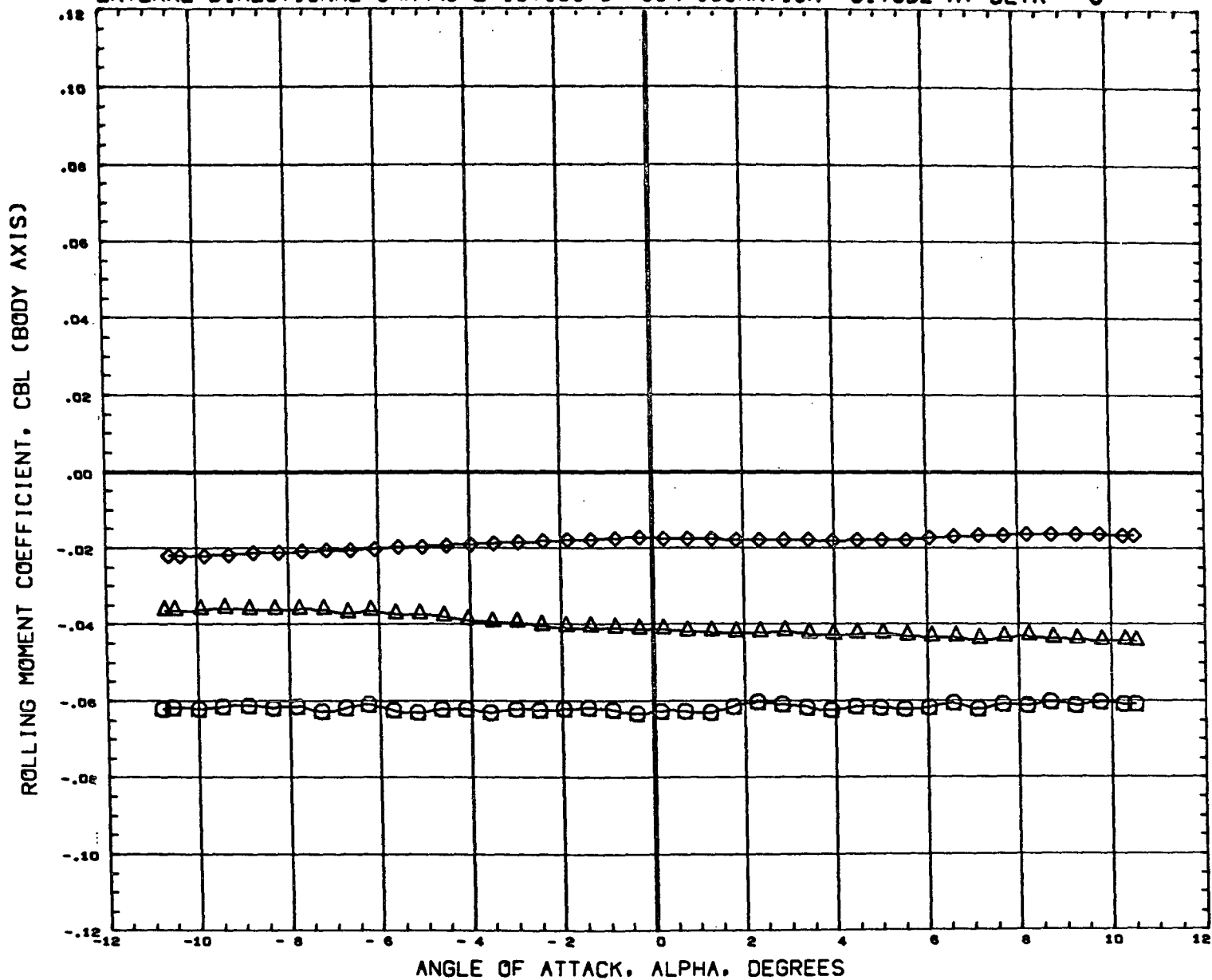
REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	682.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(R07519) 18 SEP 72 PAGE 189

LATERAL-DIRECTIONAL CHARACTERISTICS OF CONFIGURATION 01T3B2 AT BETA = 6



SYMBOL	MACH	PARAMETRIC VALUES			
○	1.507	BETA	6.000	AILRON	0.000
△	2.203	ELEVTR	0.000	RUDDER	0.000
◇	4.469				

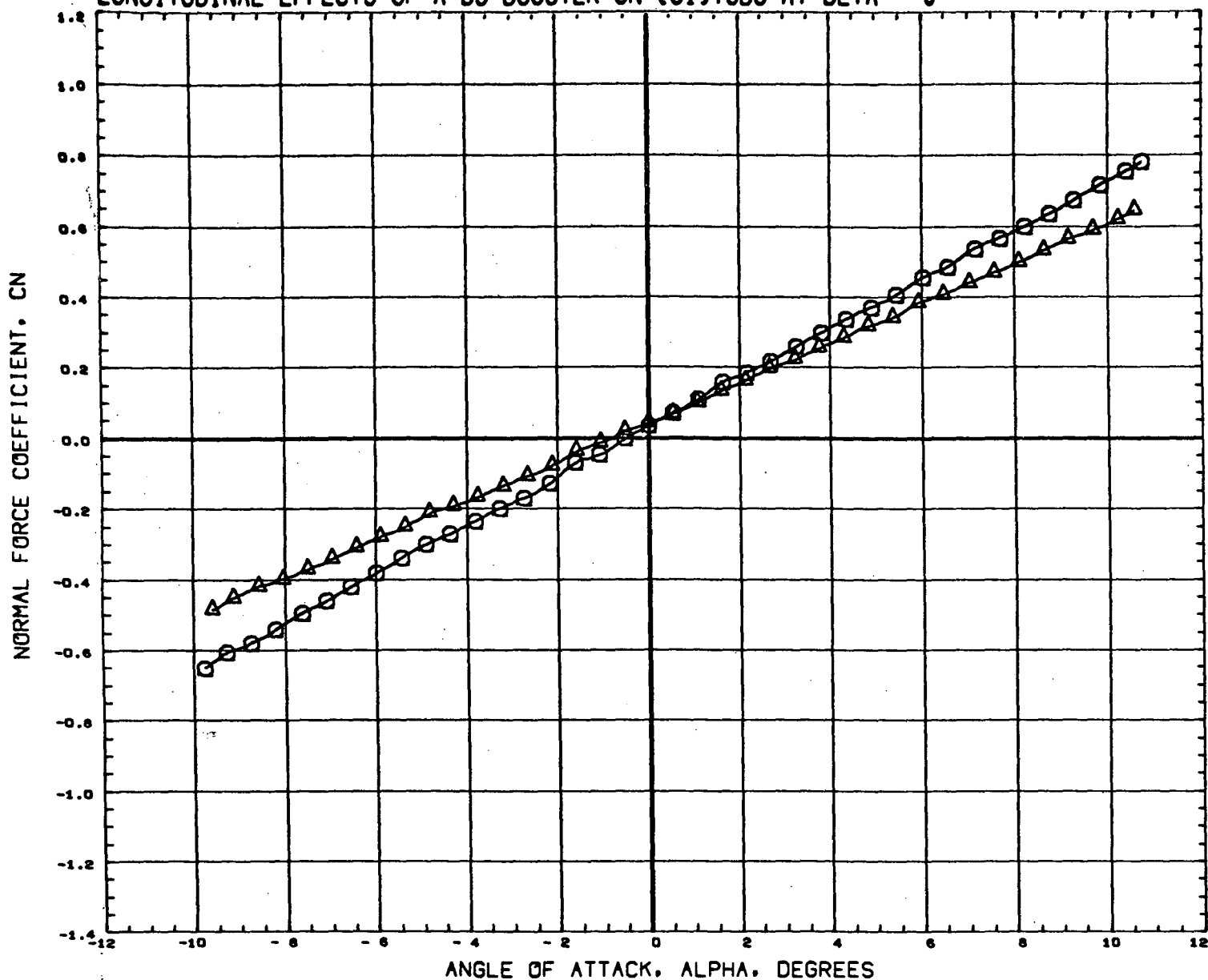
REFERENCE INFORMATION		
SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

DATA HIST. CODE MV

MDAC S-222 COMPOSITE(T-CG) 01T3B2

(RD7519) 18 SEP 72 PAGE 190

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

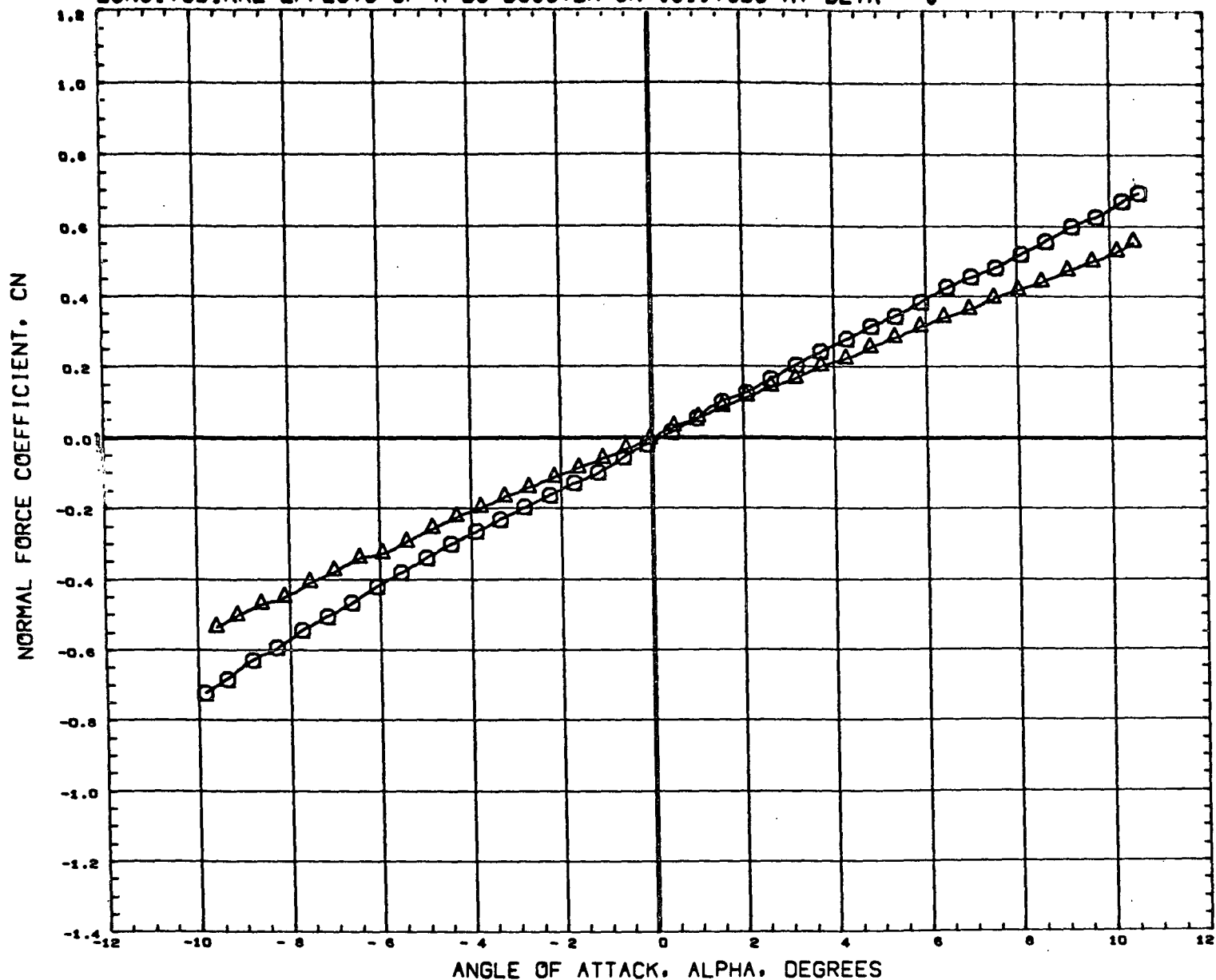


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	NDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	NDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

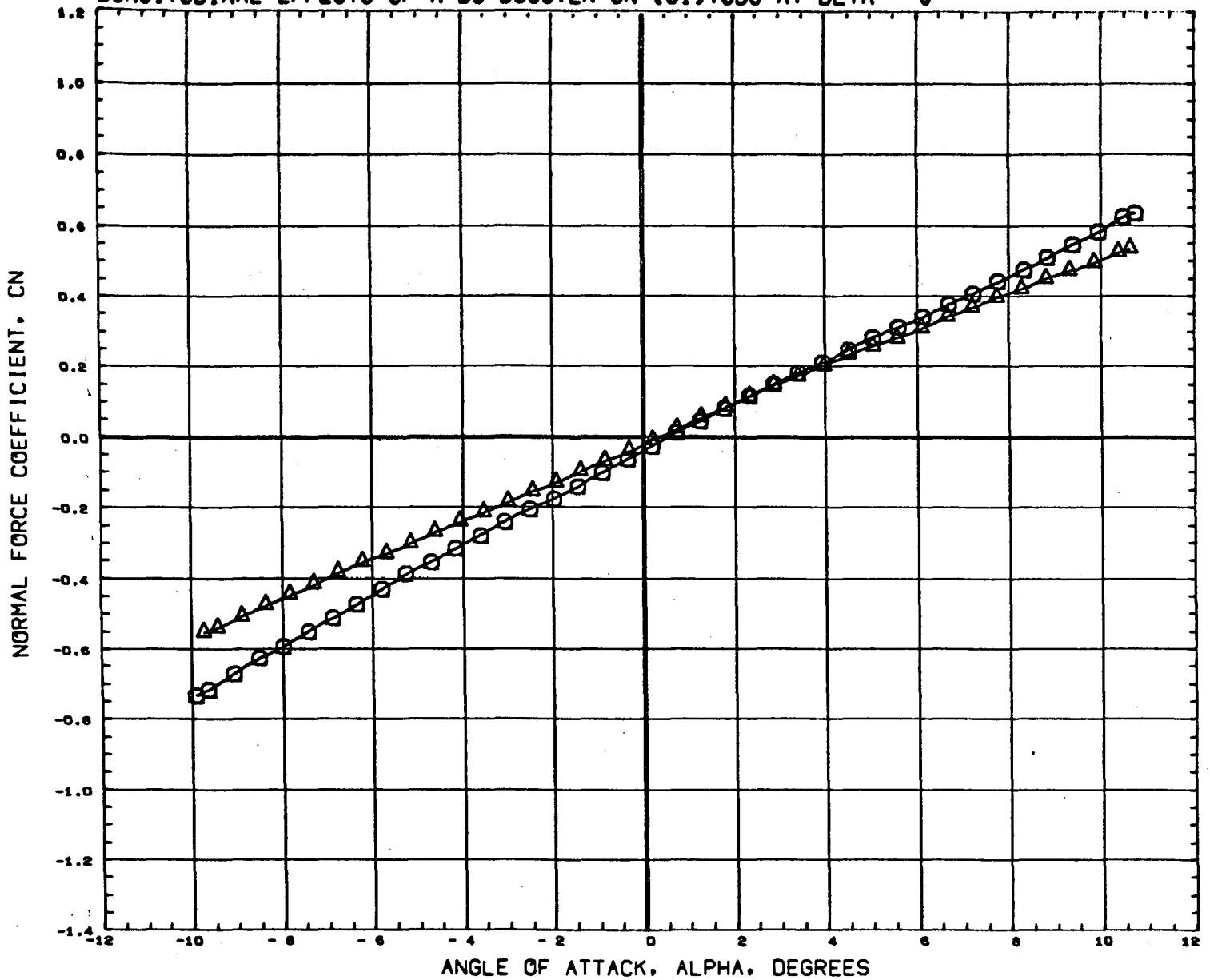


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(007488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(007491)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

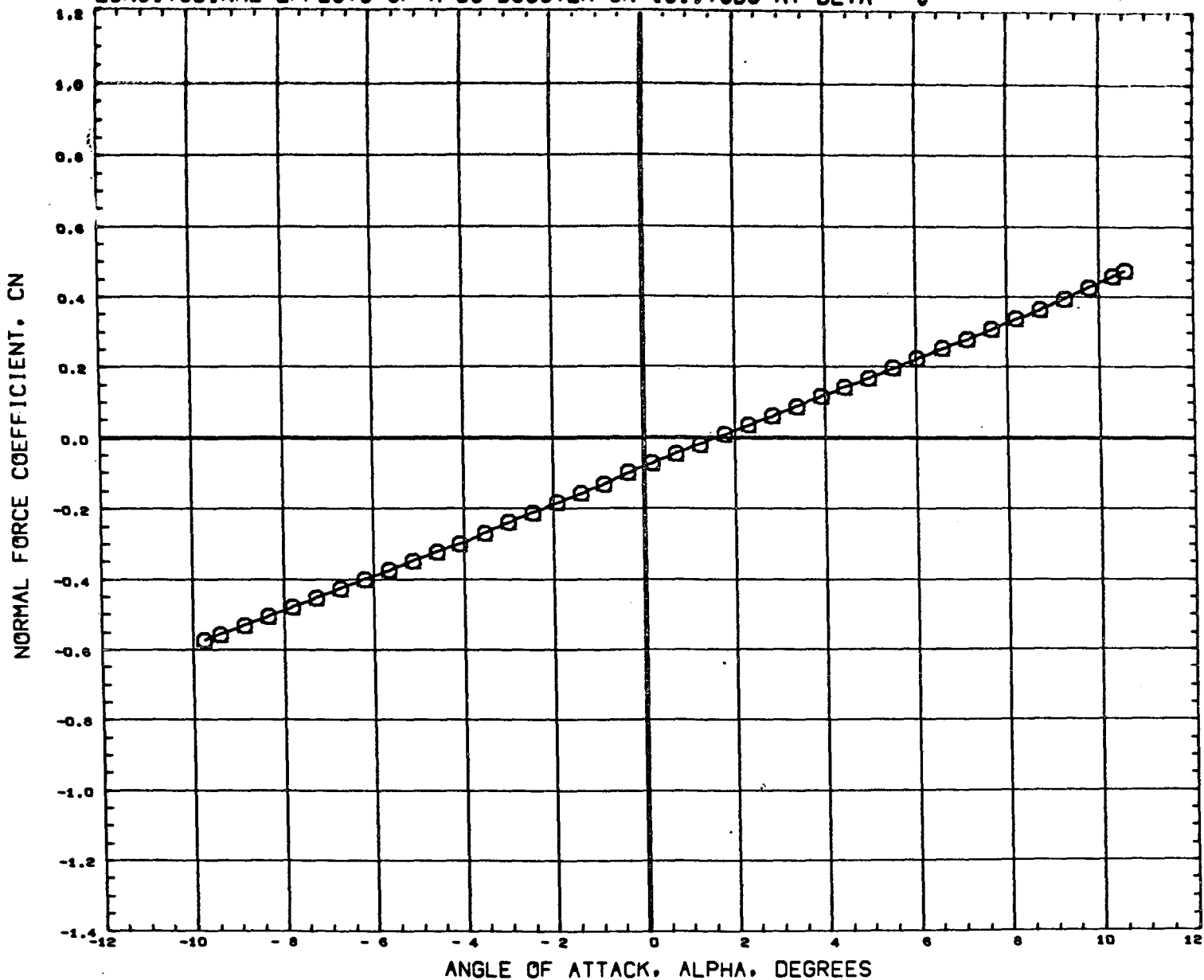


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-C6) (01)T3B3
 (DD7491) DATA NOT AVAILABLE FOR ALL CONDITIONS

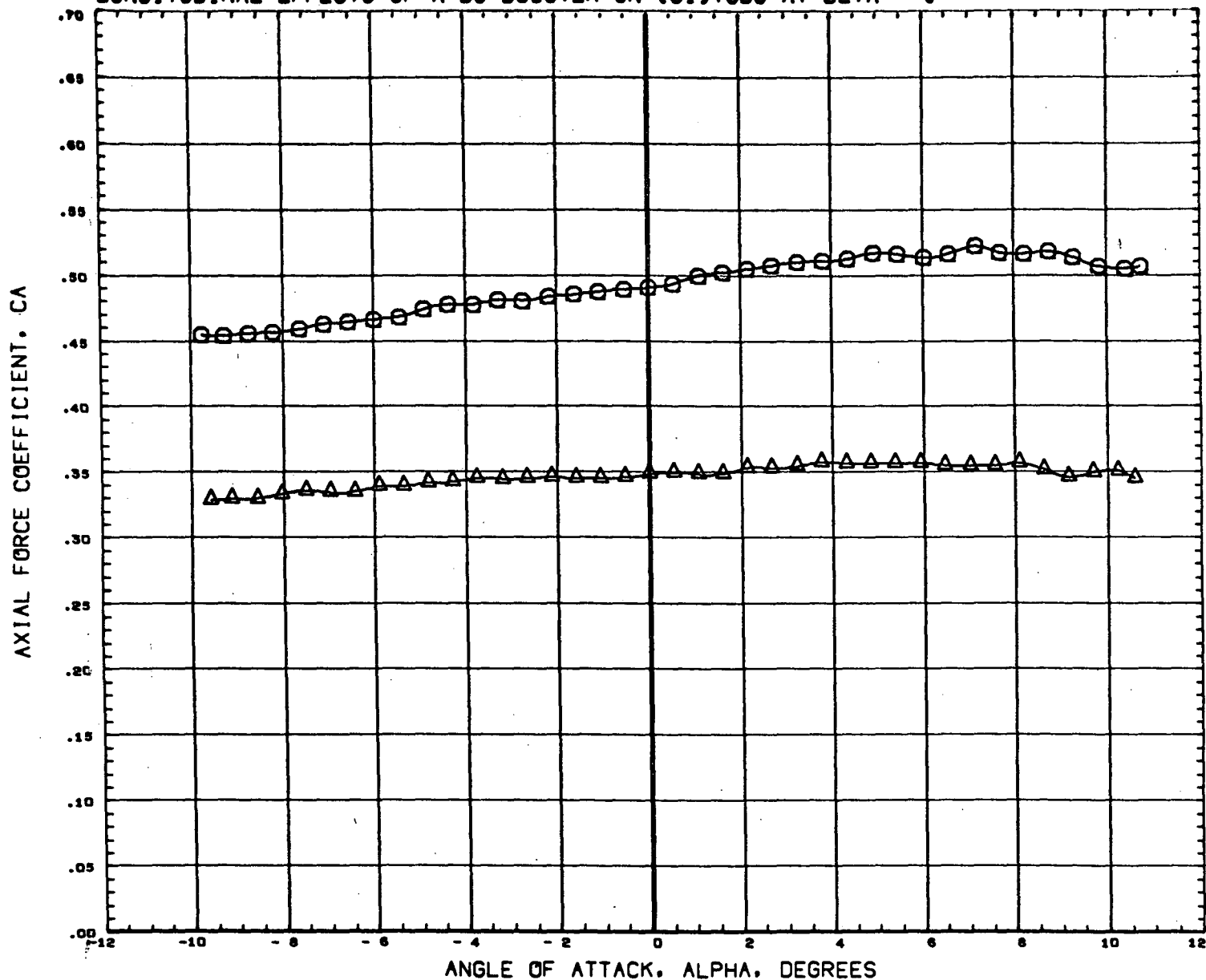
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0080	

MACH 4.47

PAGE 194

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

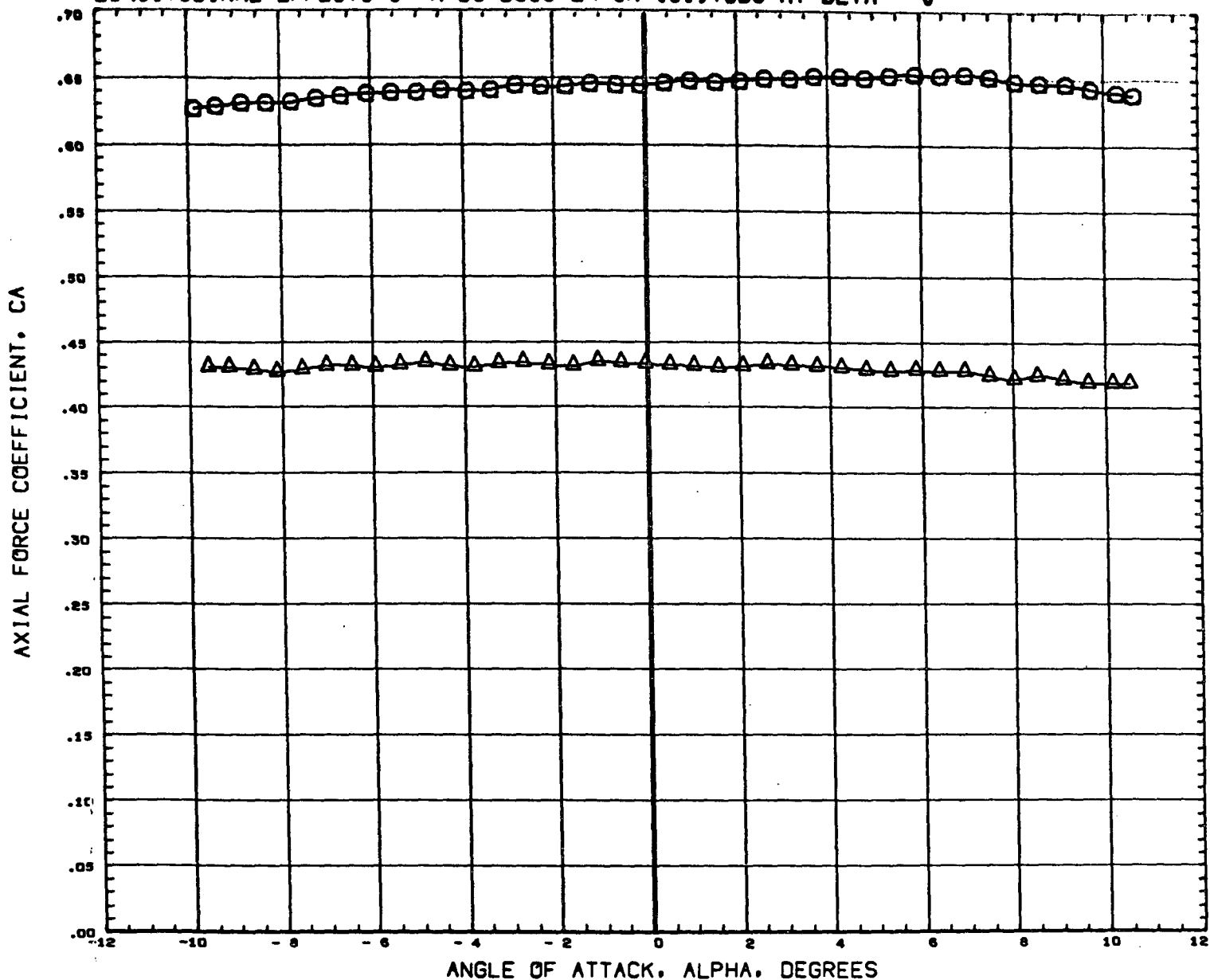


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-C6) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-C6) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 195

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

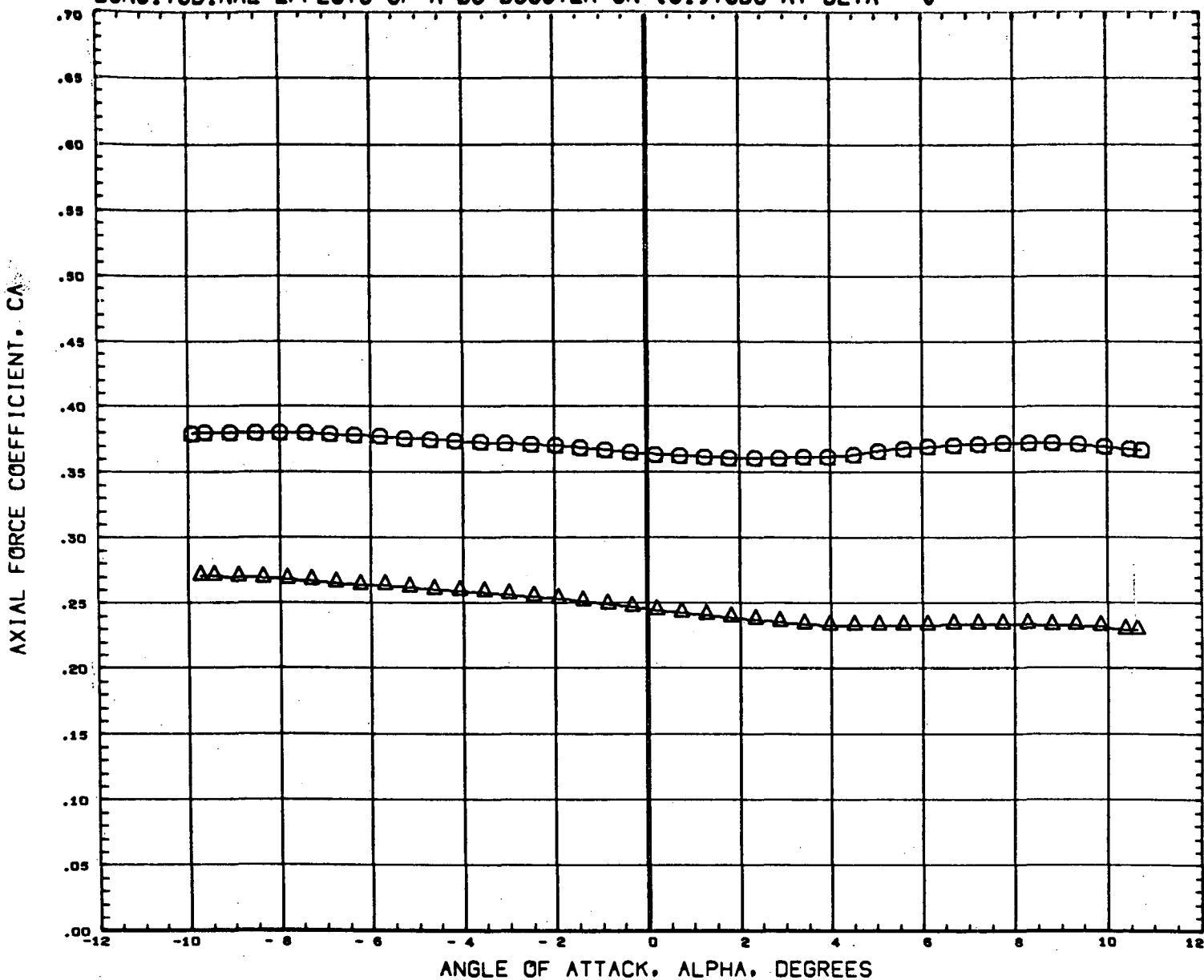


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(007488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(007491)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 196

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

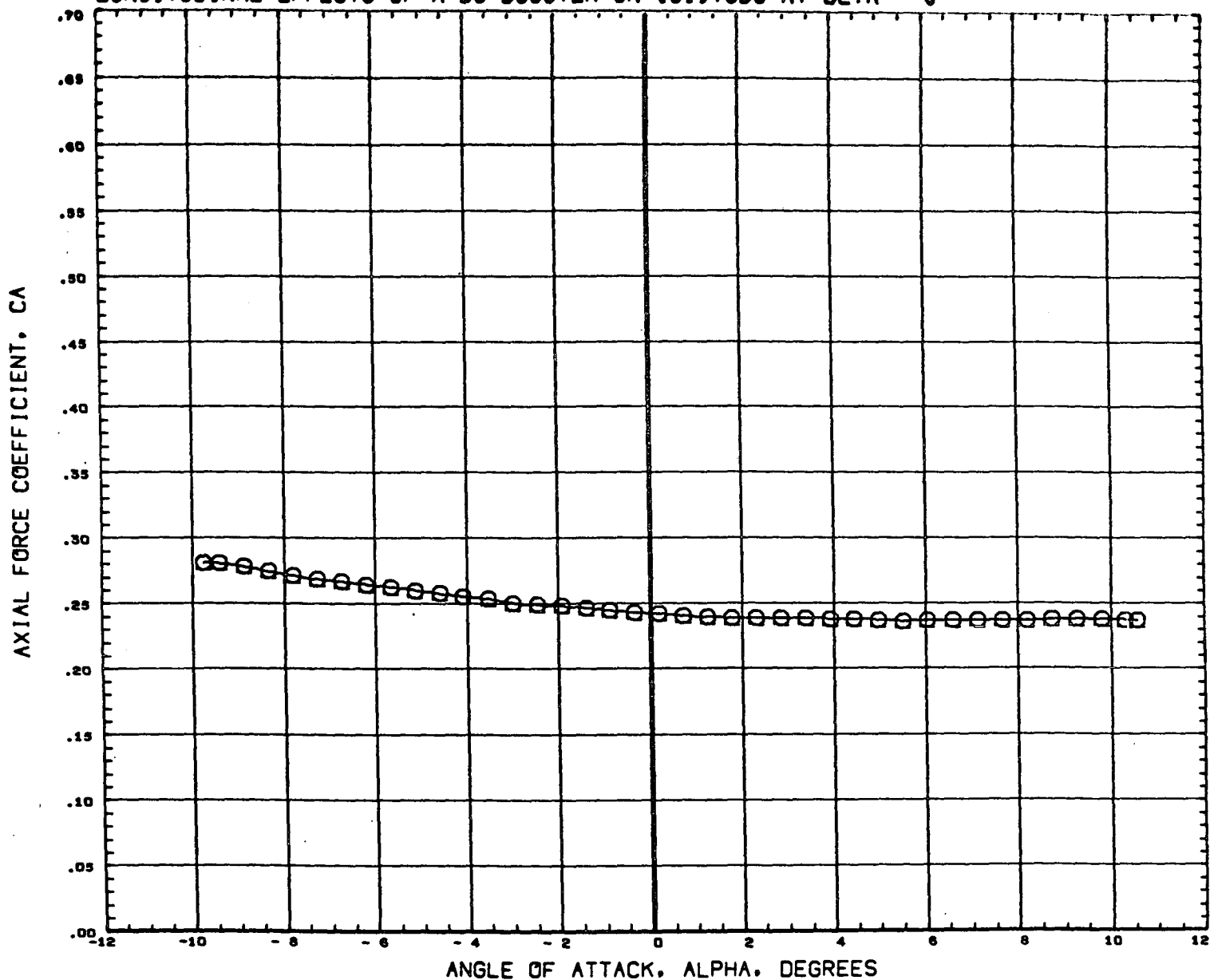


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L(B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 197

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



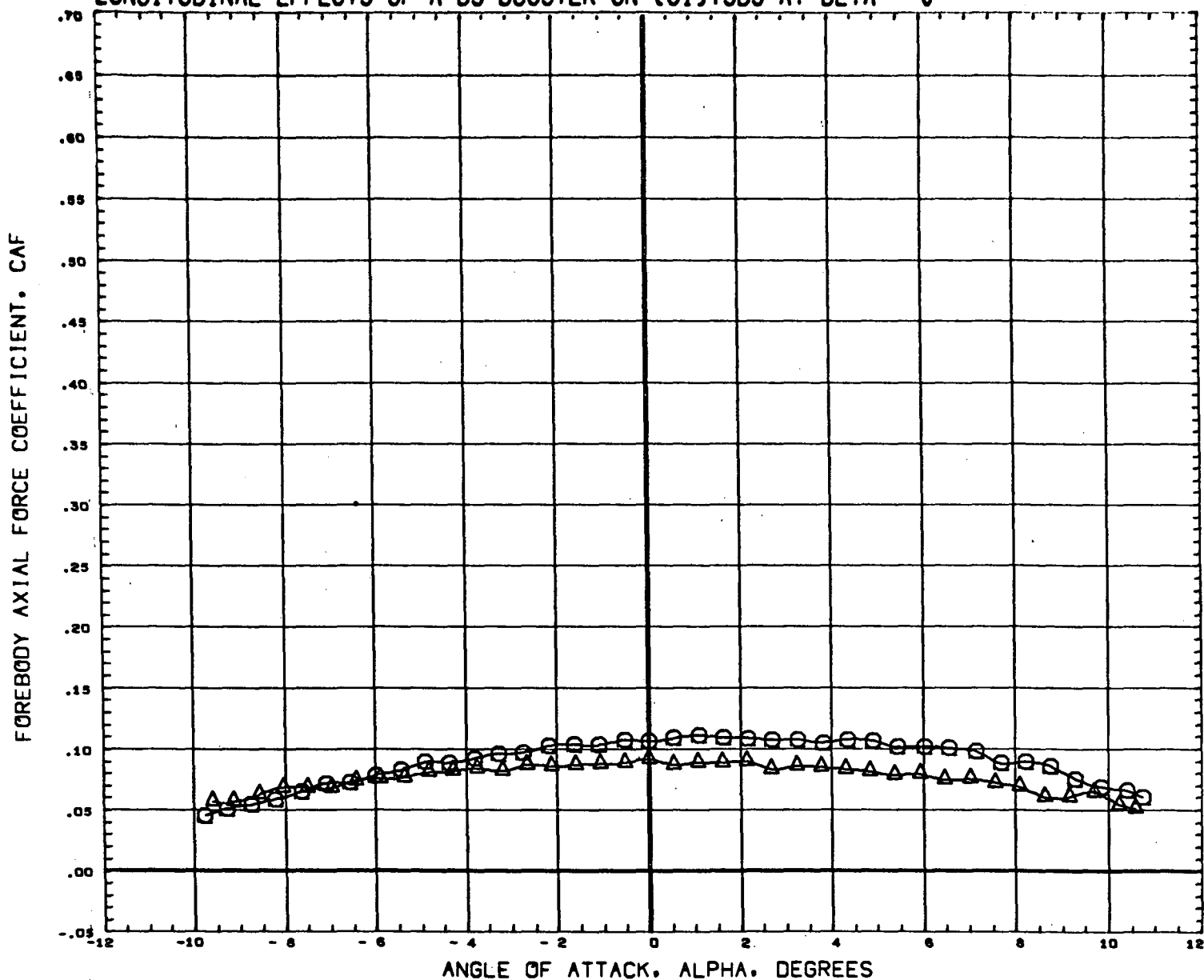
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD7491) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



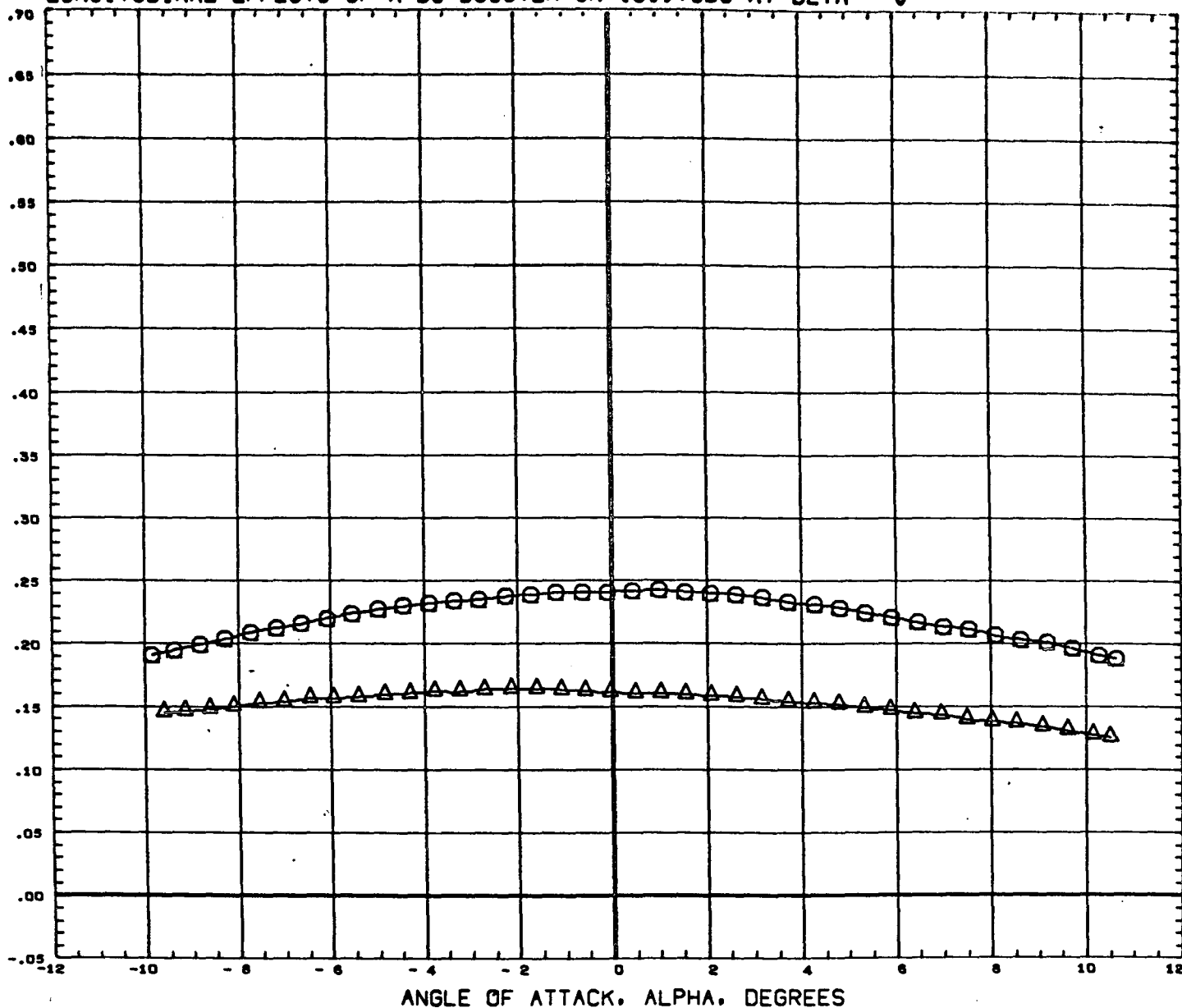
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF

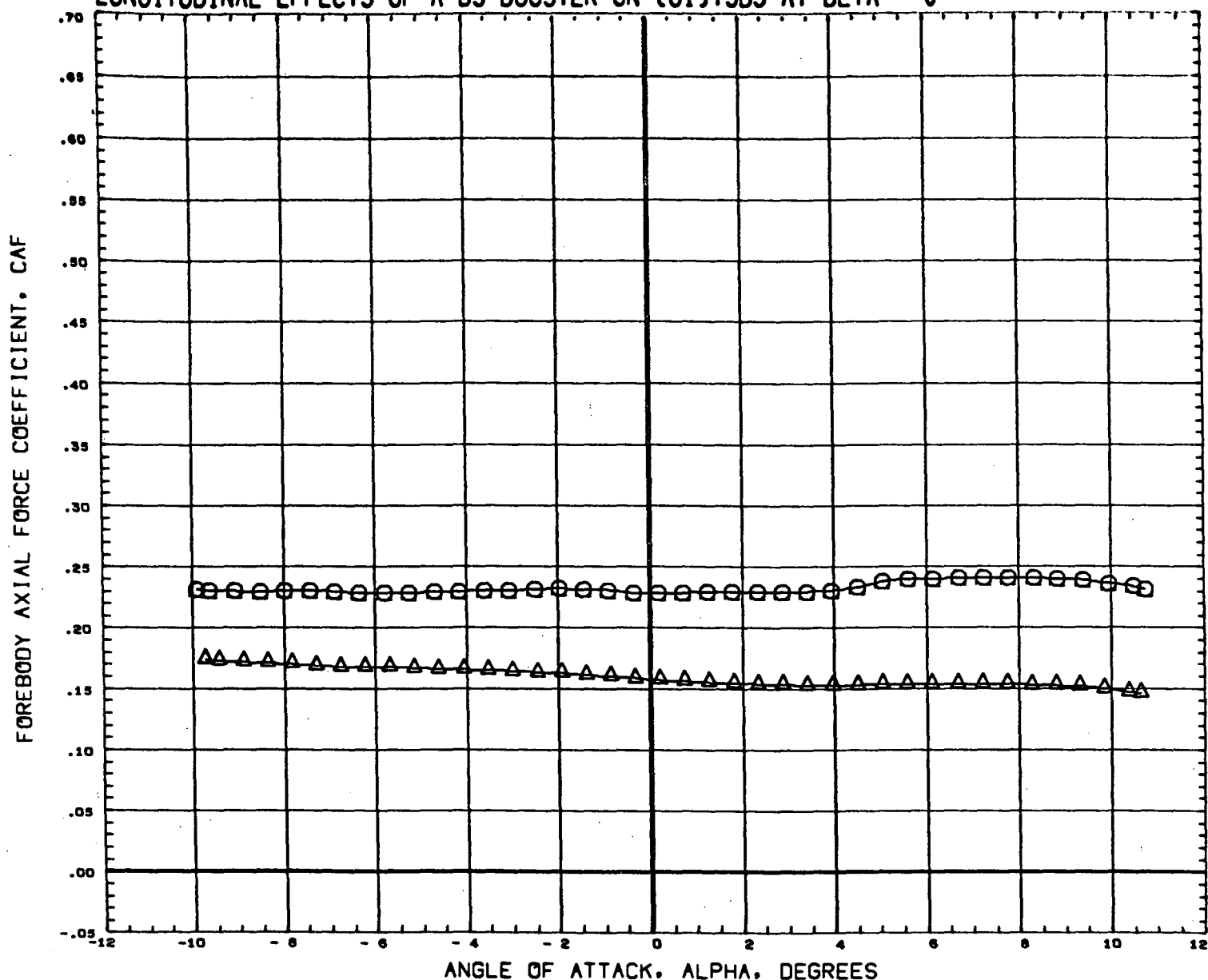


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

PAGE 200

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

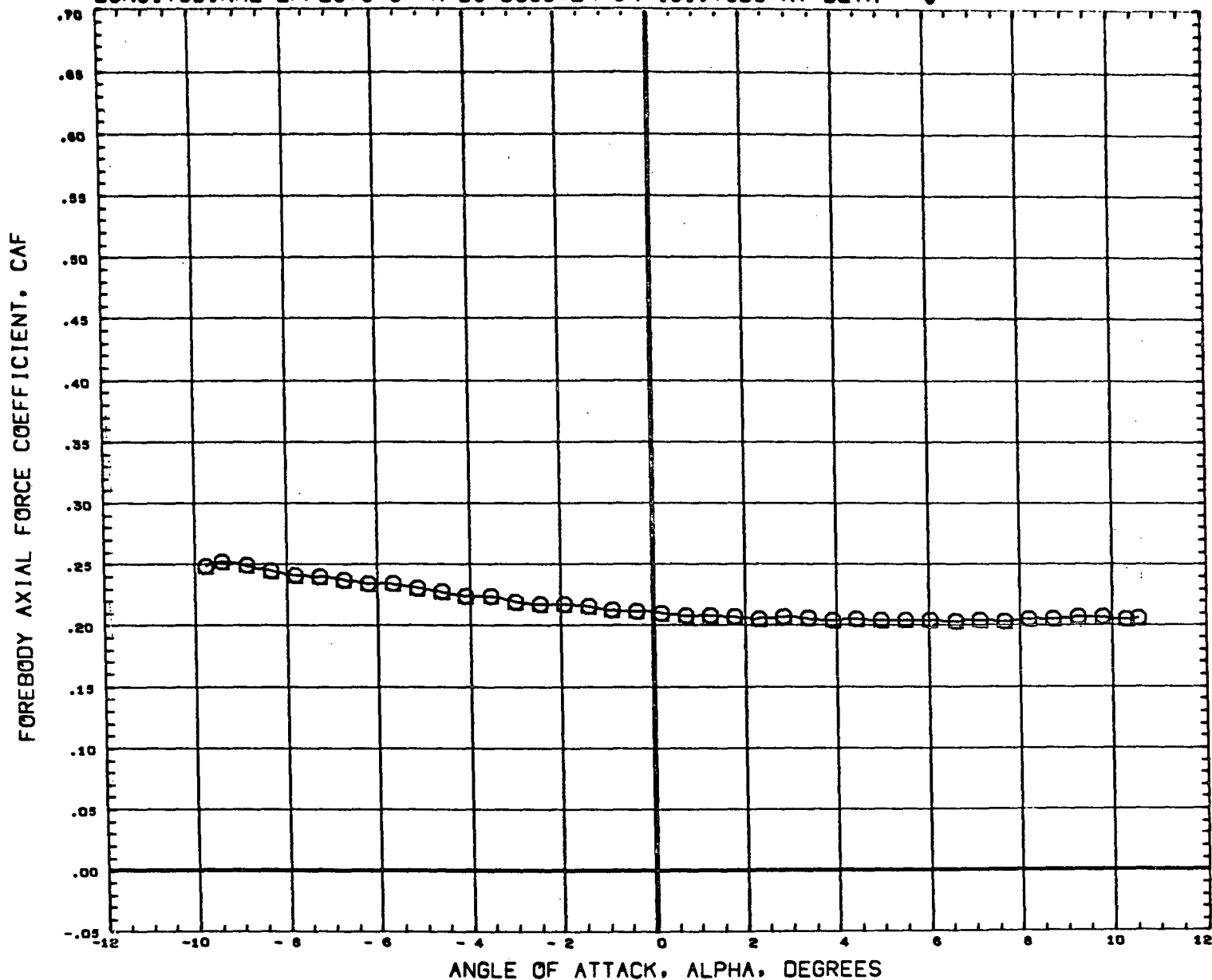


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L(B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 201

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



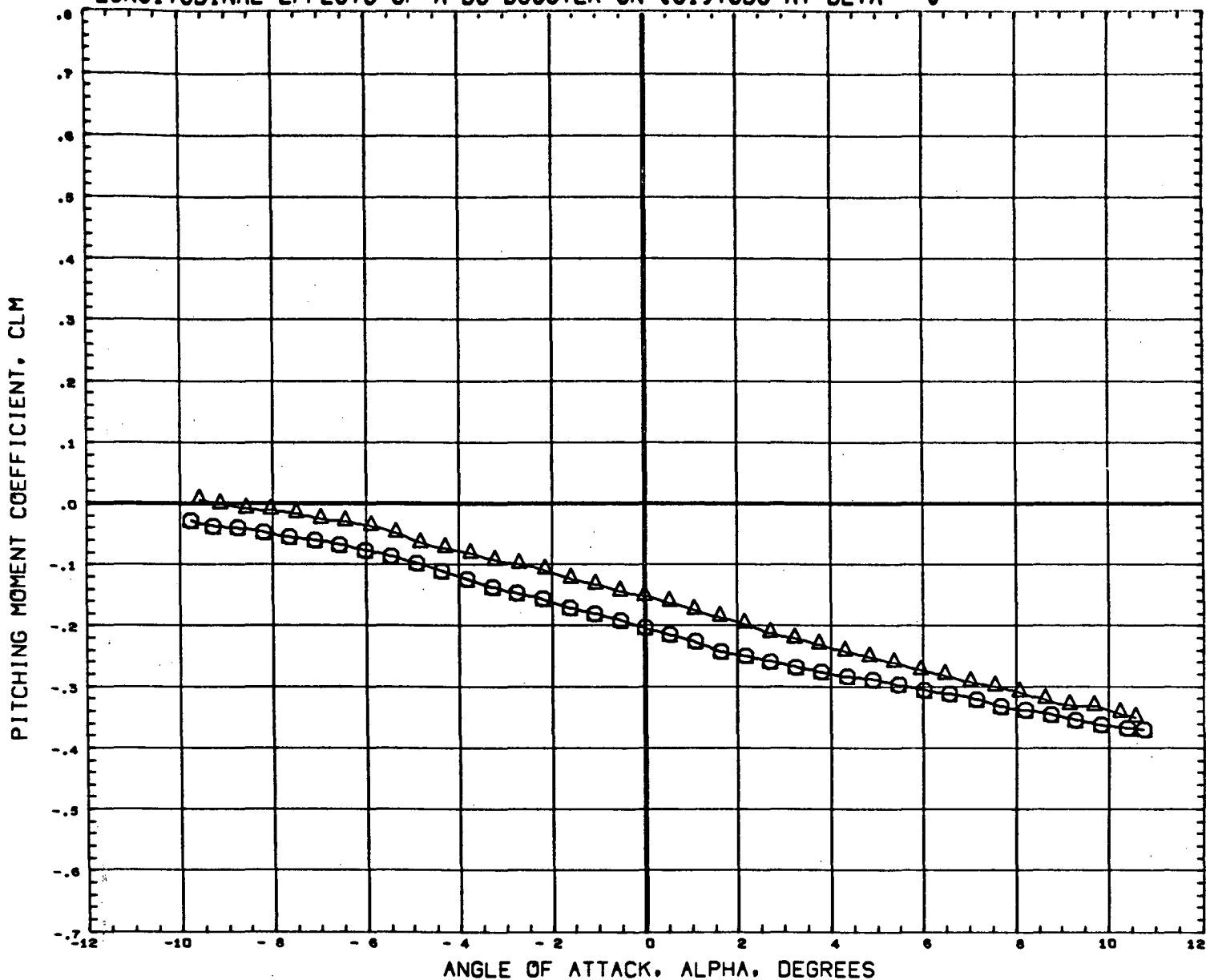
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD7491) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 202

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

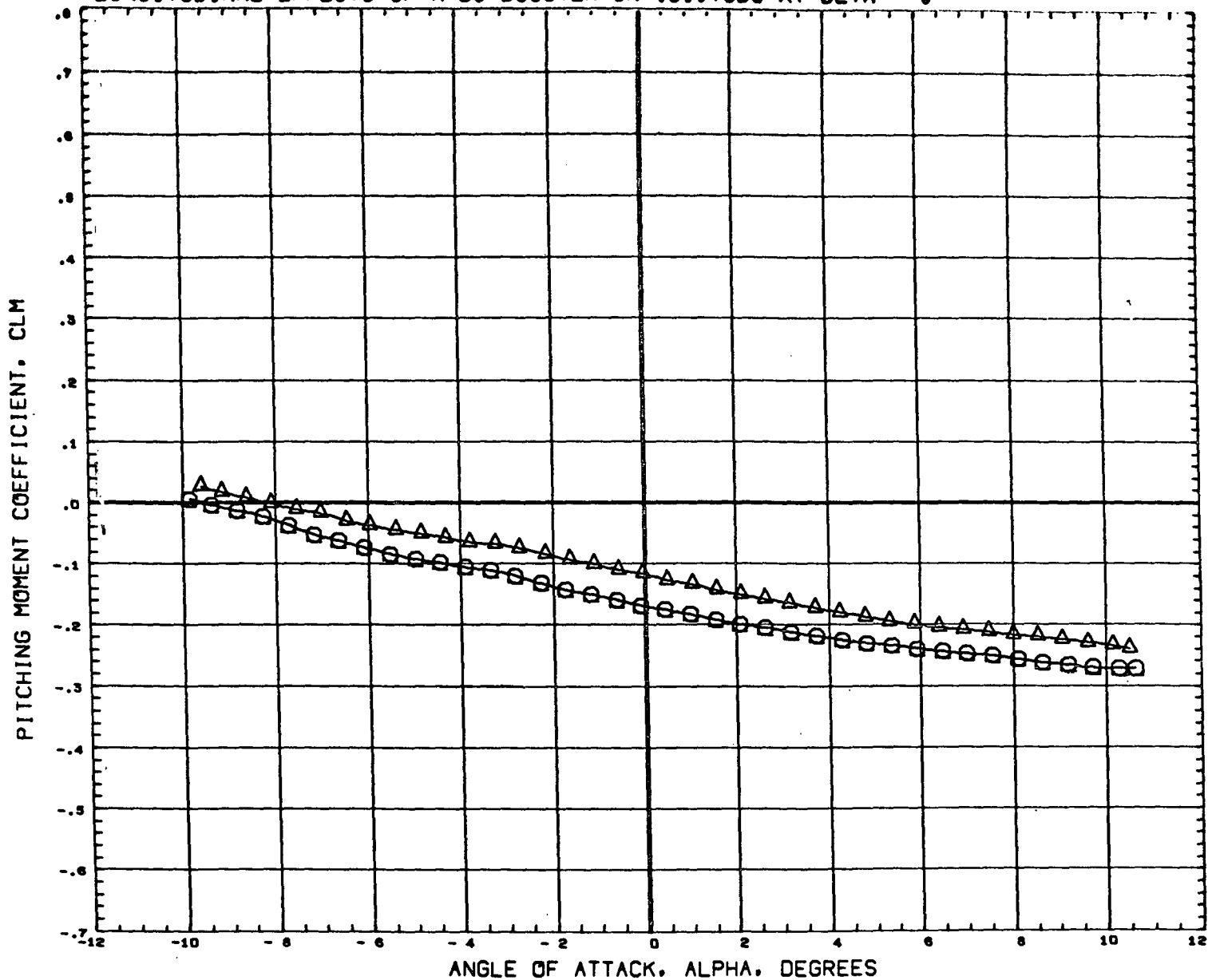


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 203

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

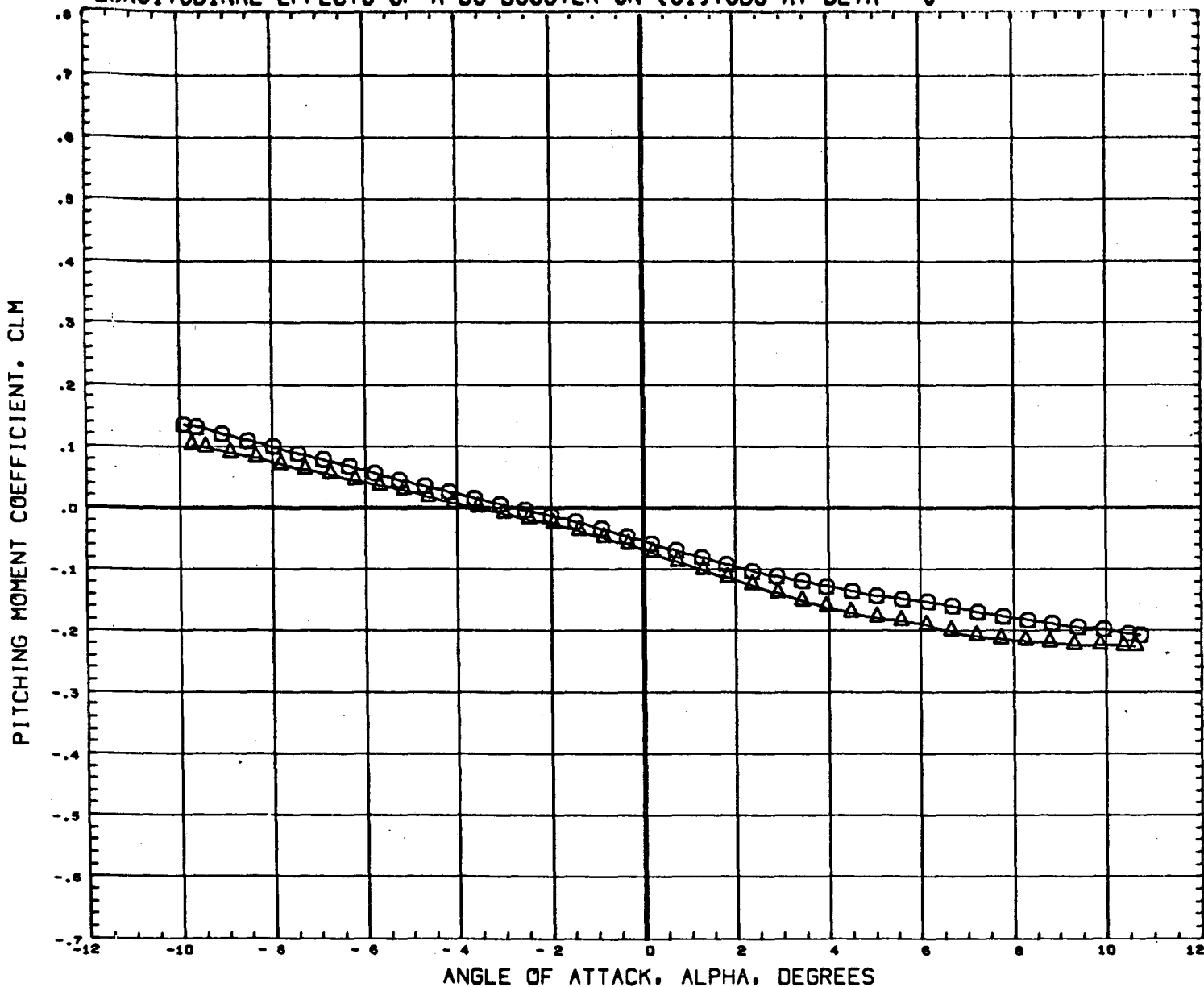


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

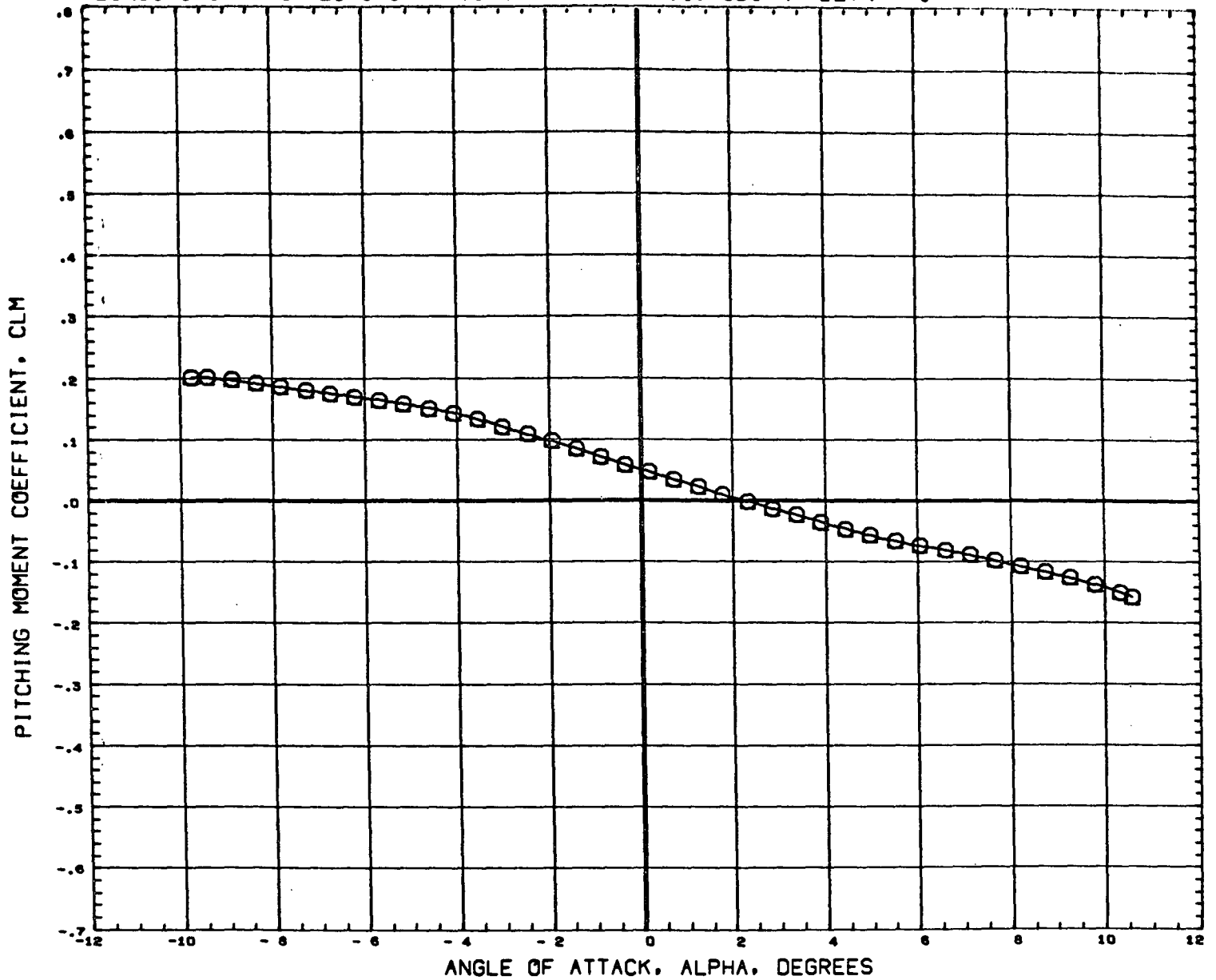


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 205

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0



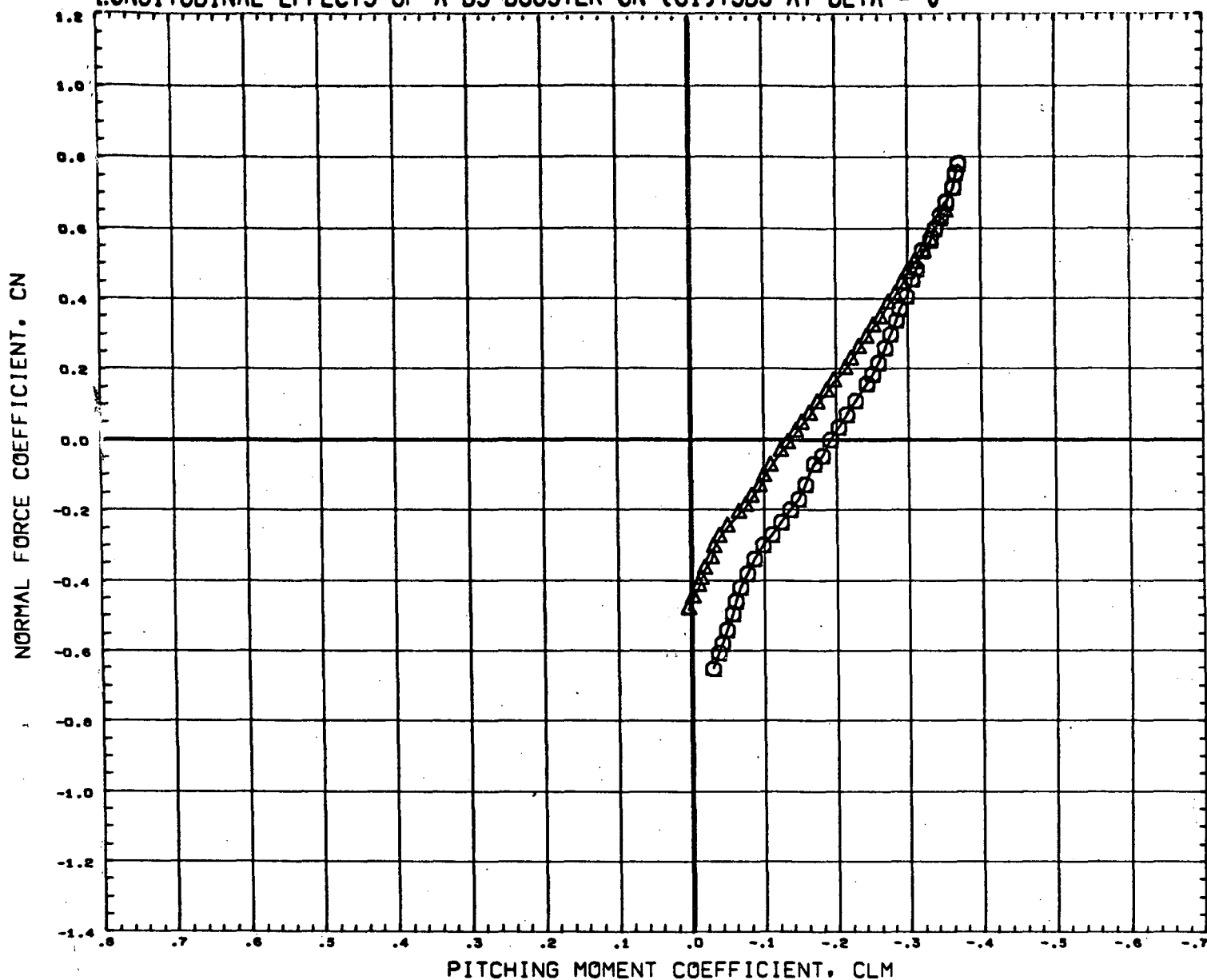
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488)  MDAC S-222 COMPOSITE(T-CG) (O1)T3B3
 (DD7491) DATA NOT AVAILABLE FOR ALL CONDITIONS



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 206

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

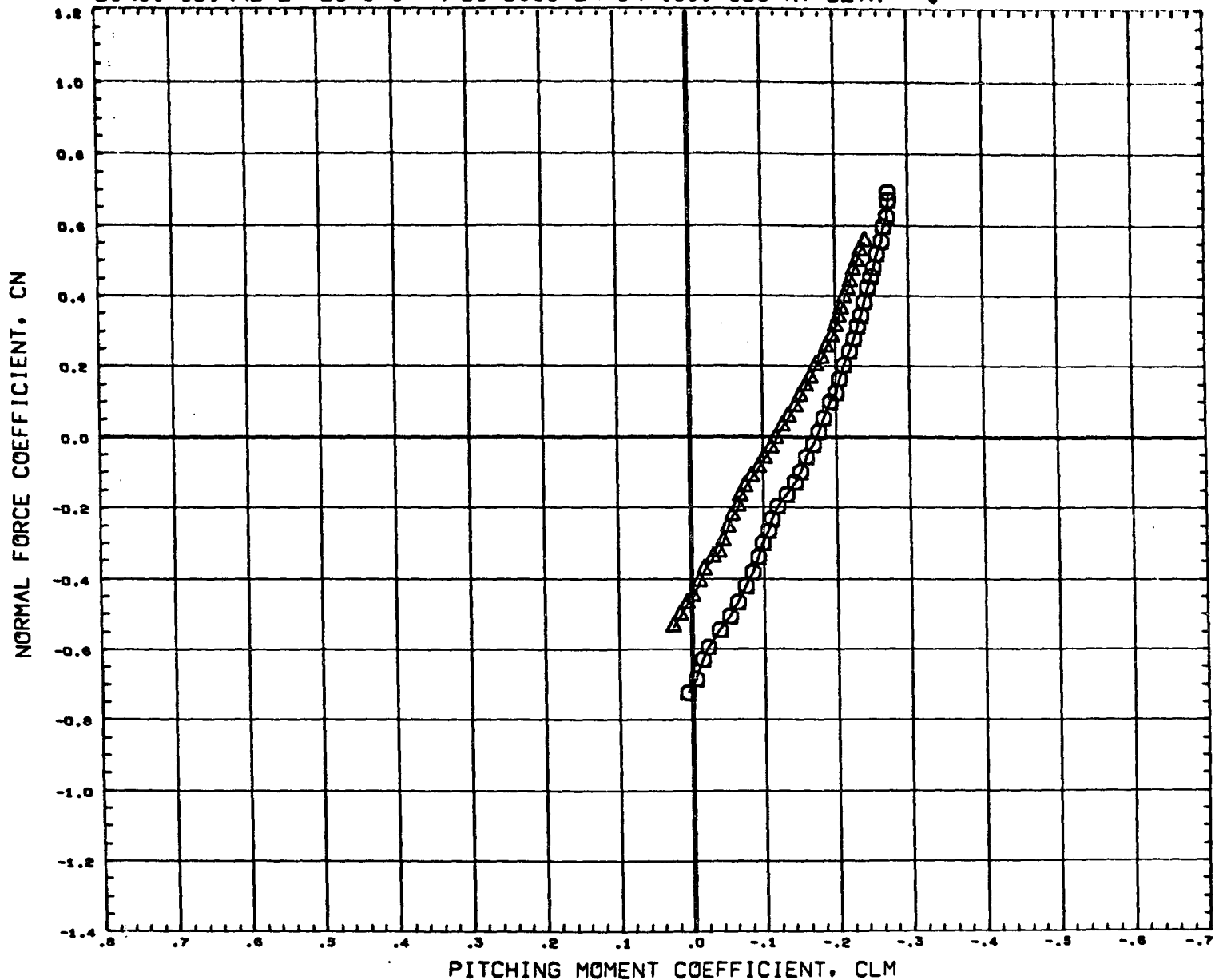


DATA SET, SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488) 	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491) 	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 207

LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

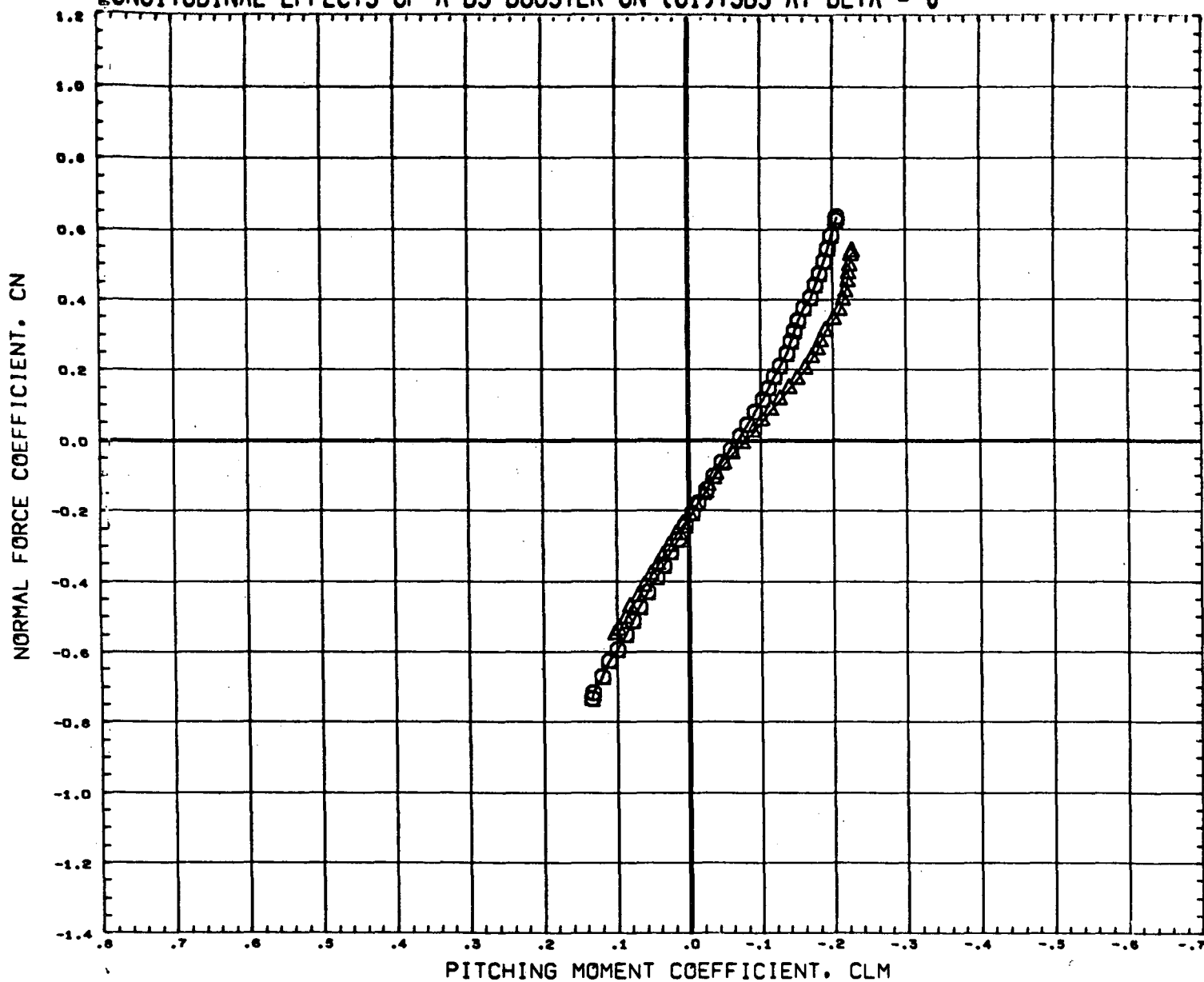


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	357.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

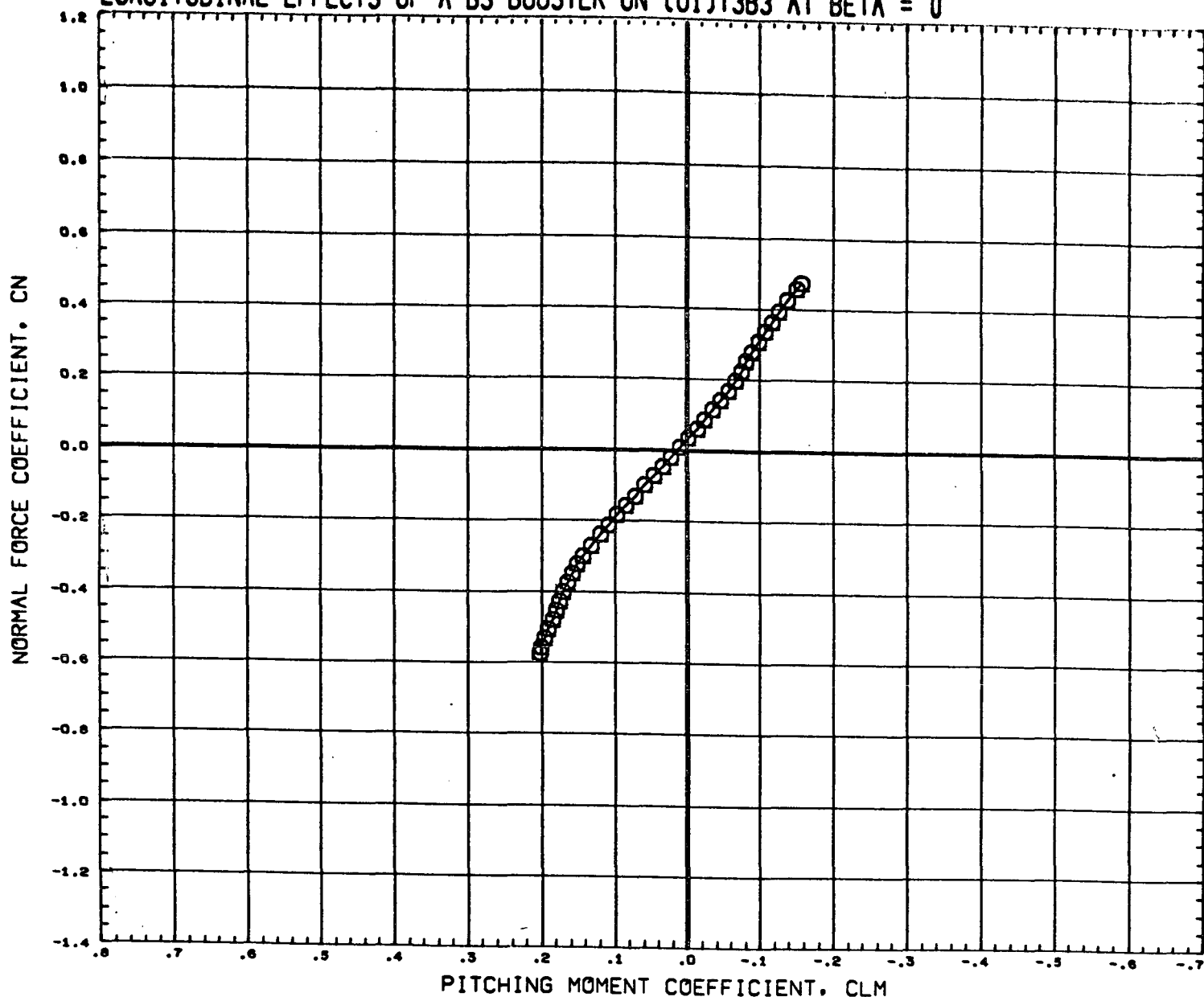


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0



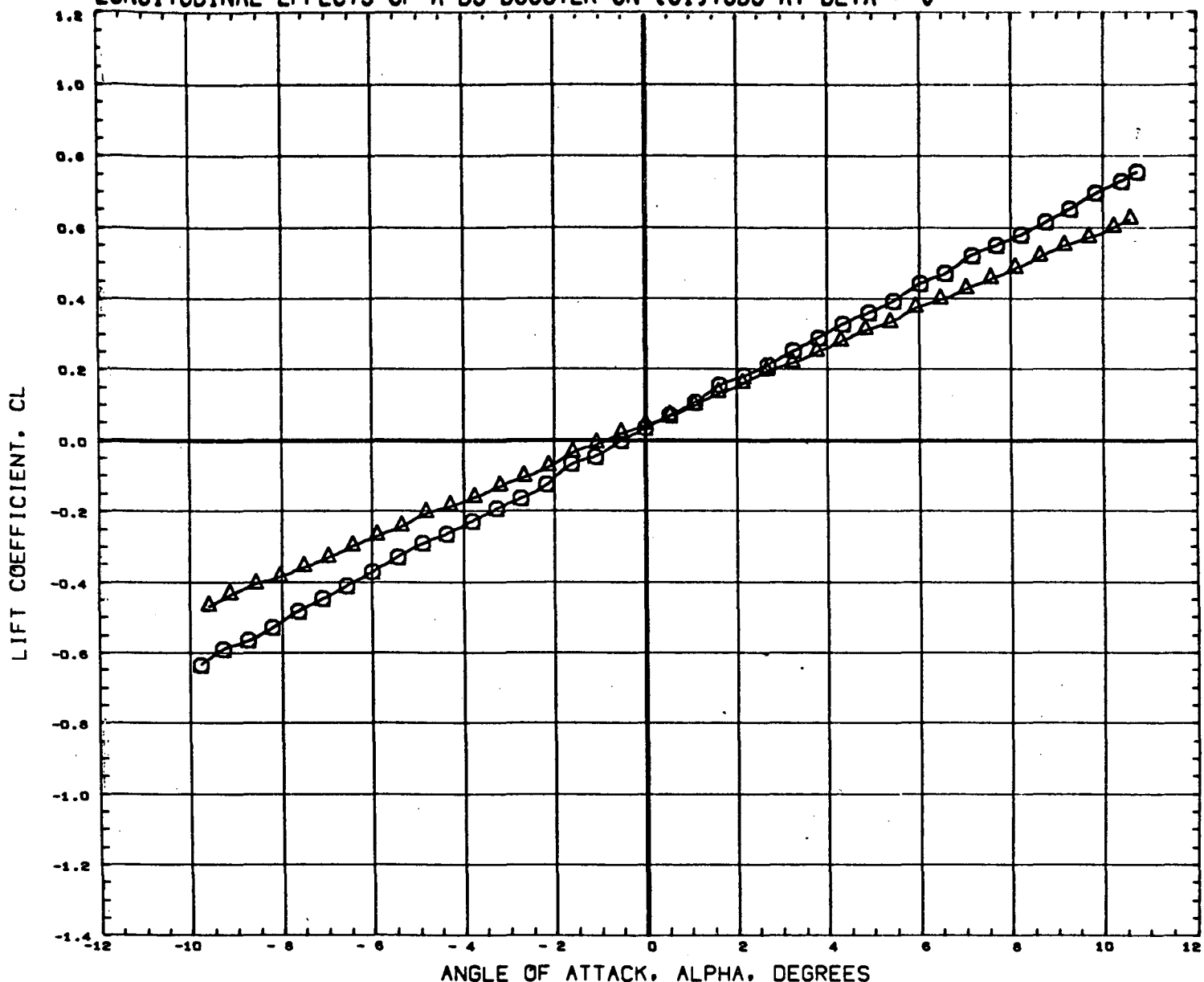
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) Q MDAC S-222 COMPOSITE (T-CG) (O1)T3B3
 (DD7491) A DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

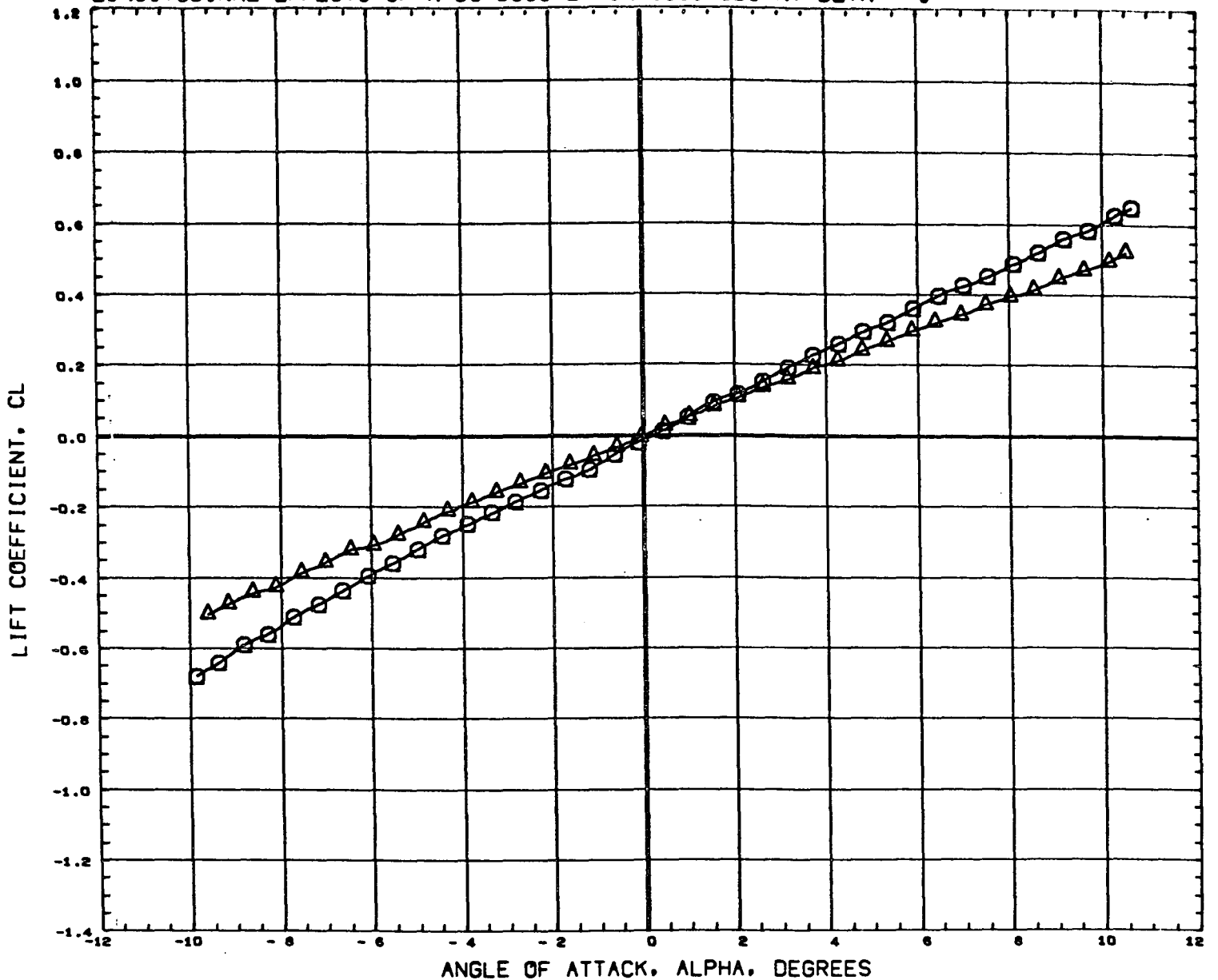


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0



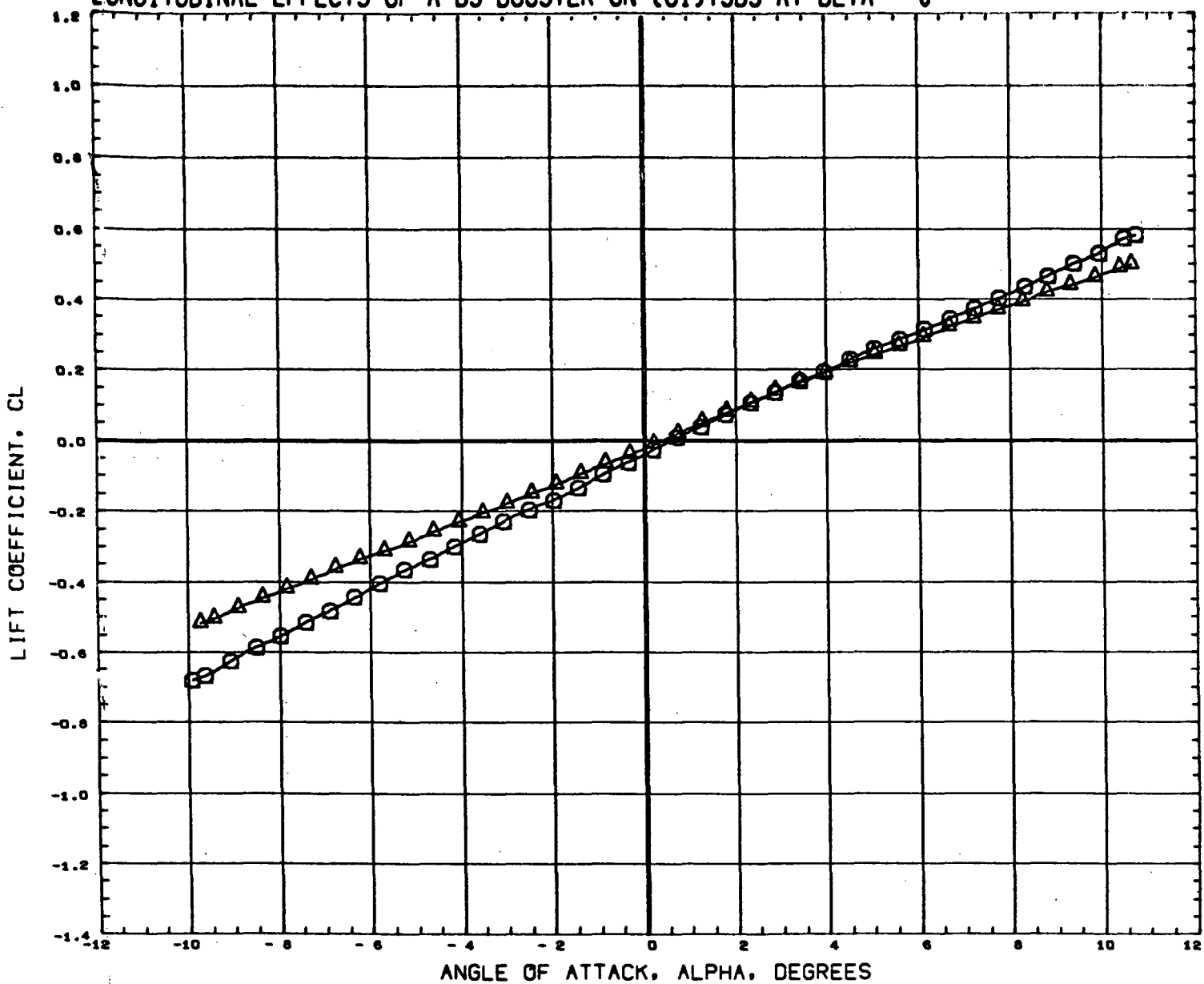
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T3B3
 (DD7491) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

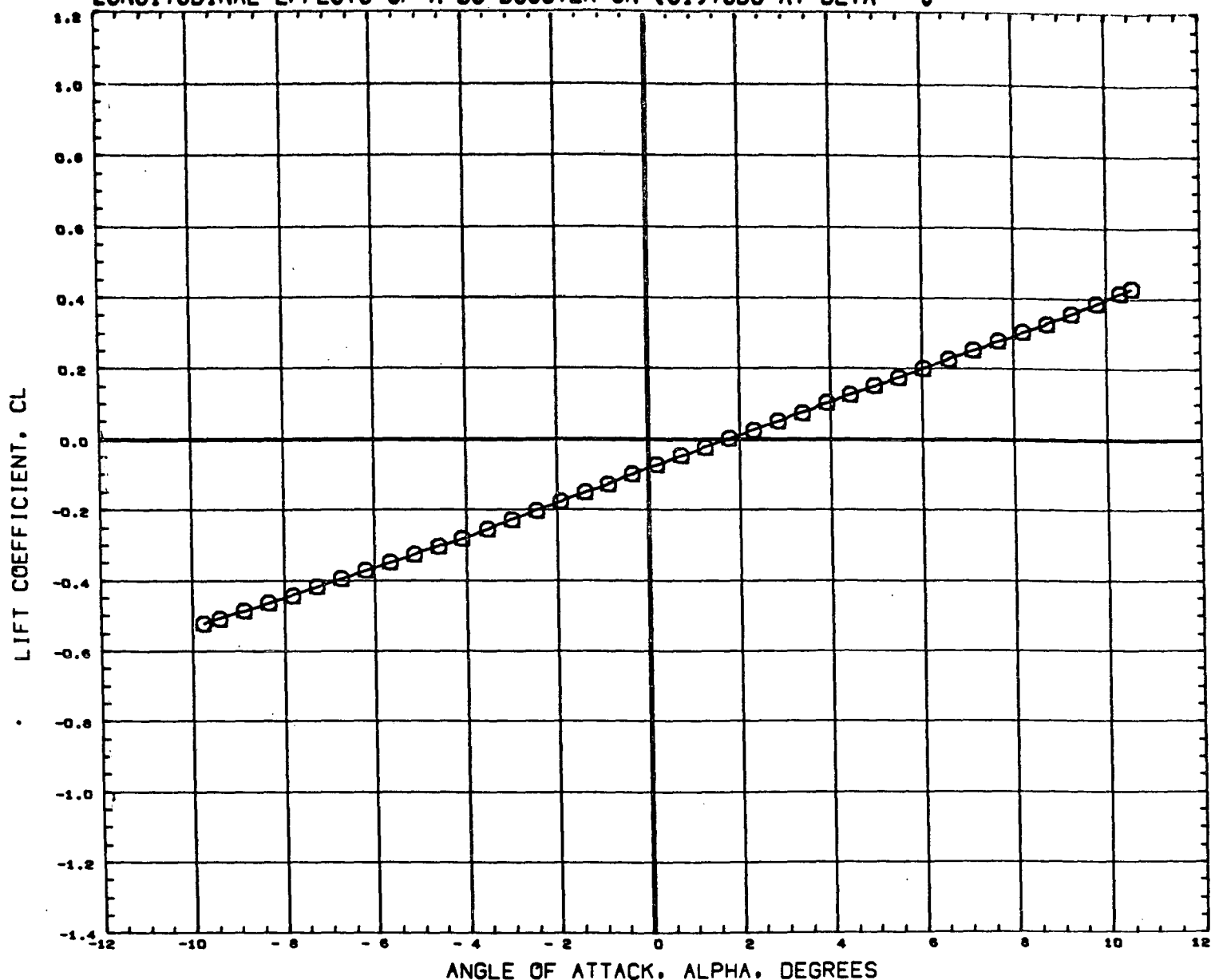


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488)  MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD7491)  DATA NOT AVAILABLE FOR ALL CONDITIONS

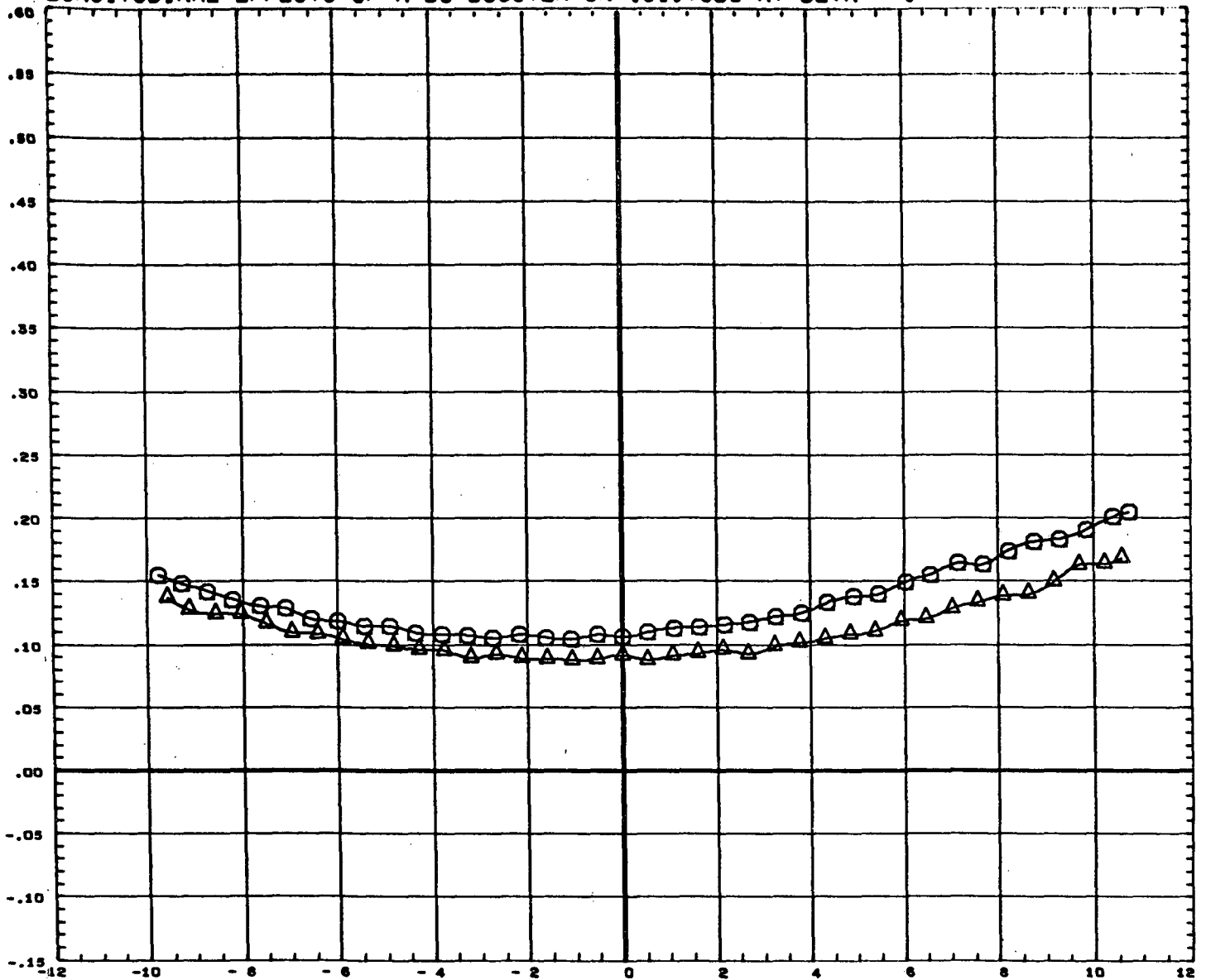
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



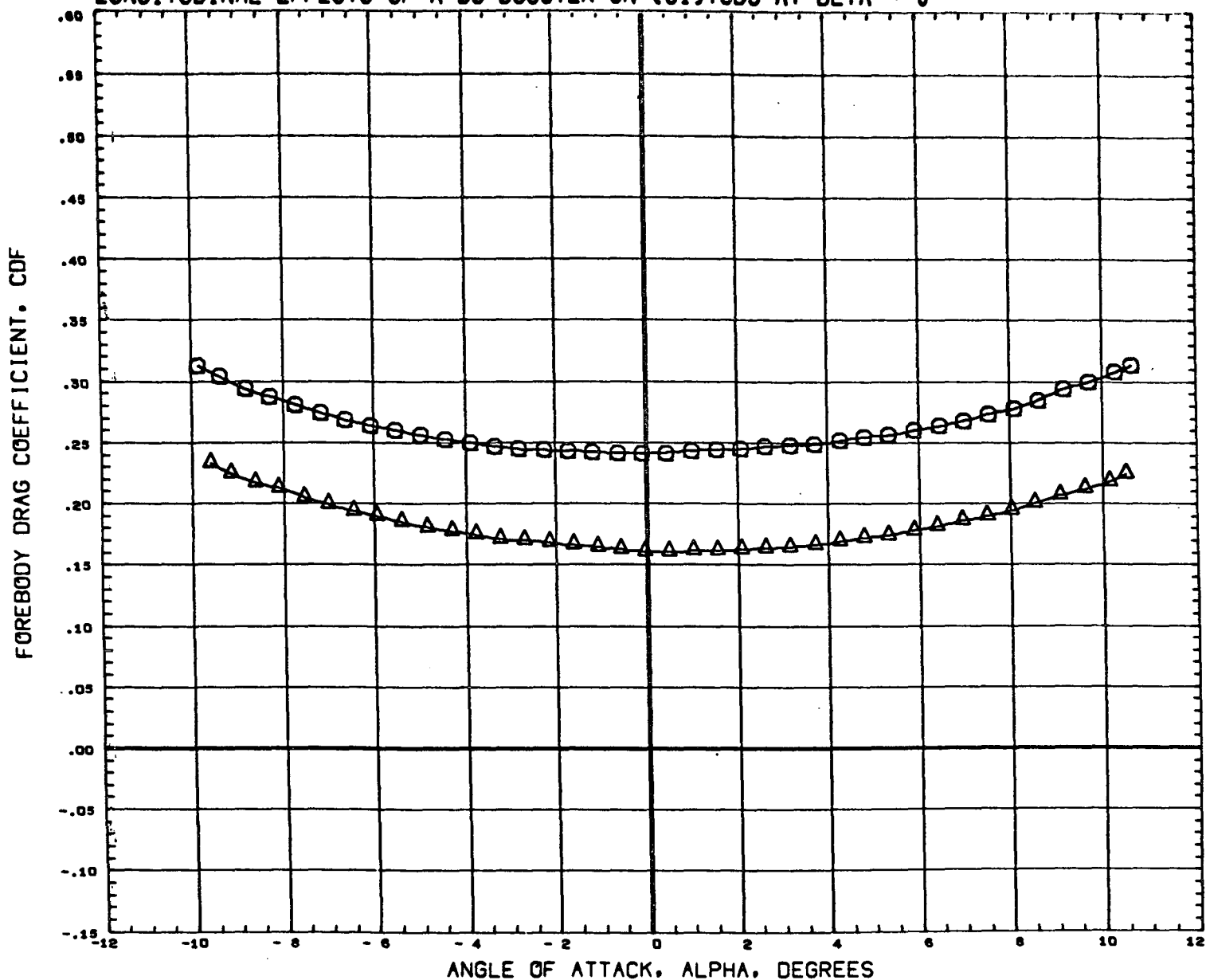
ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



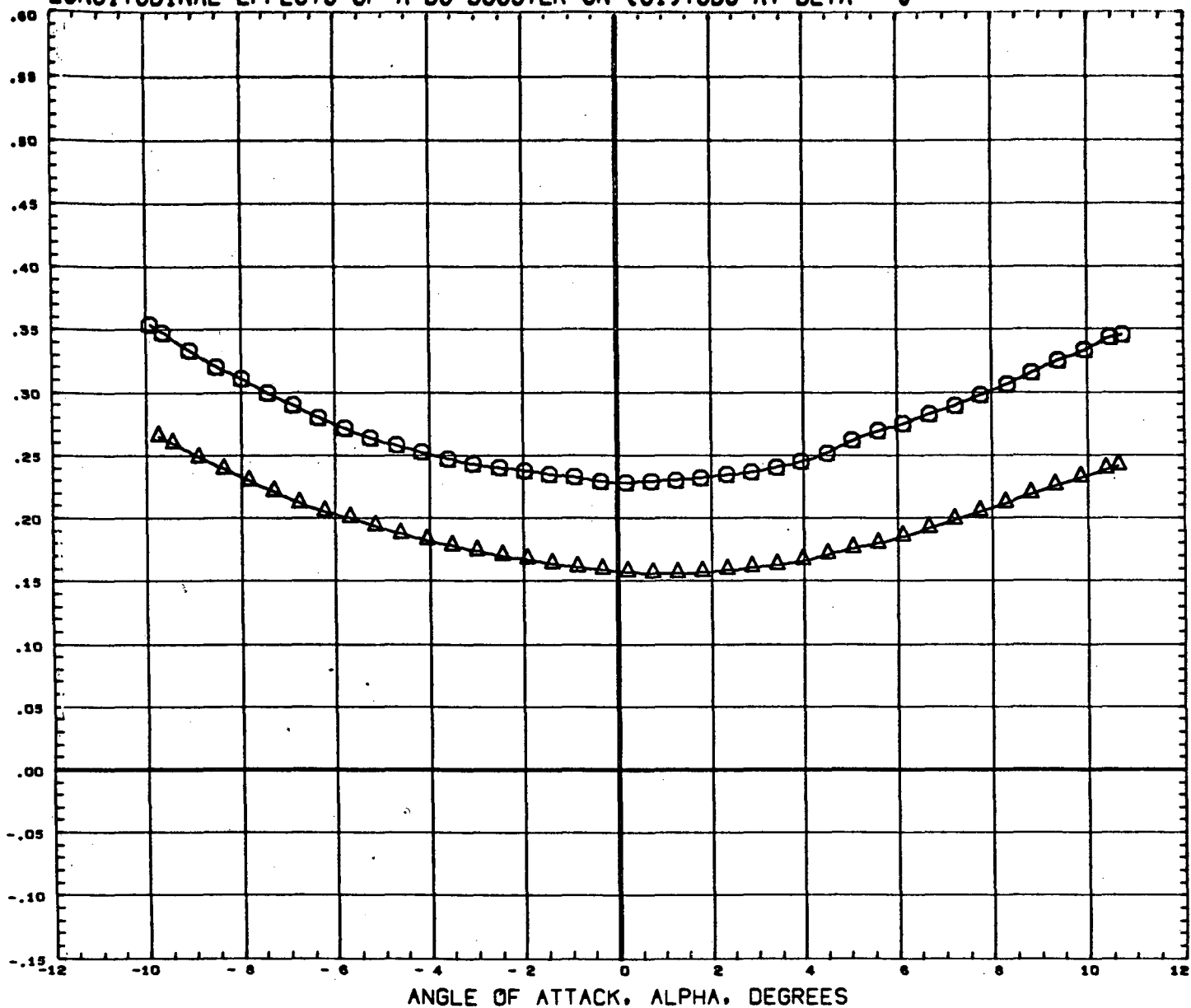
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-C6) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-C6) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



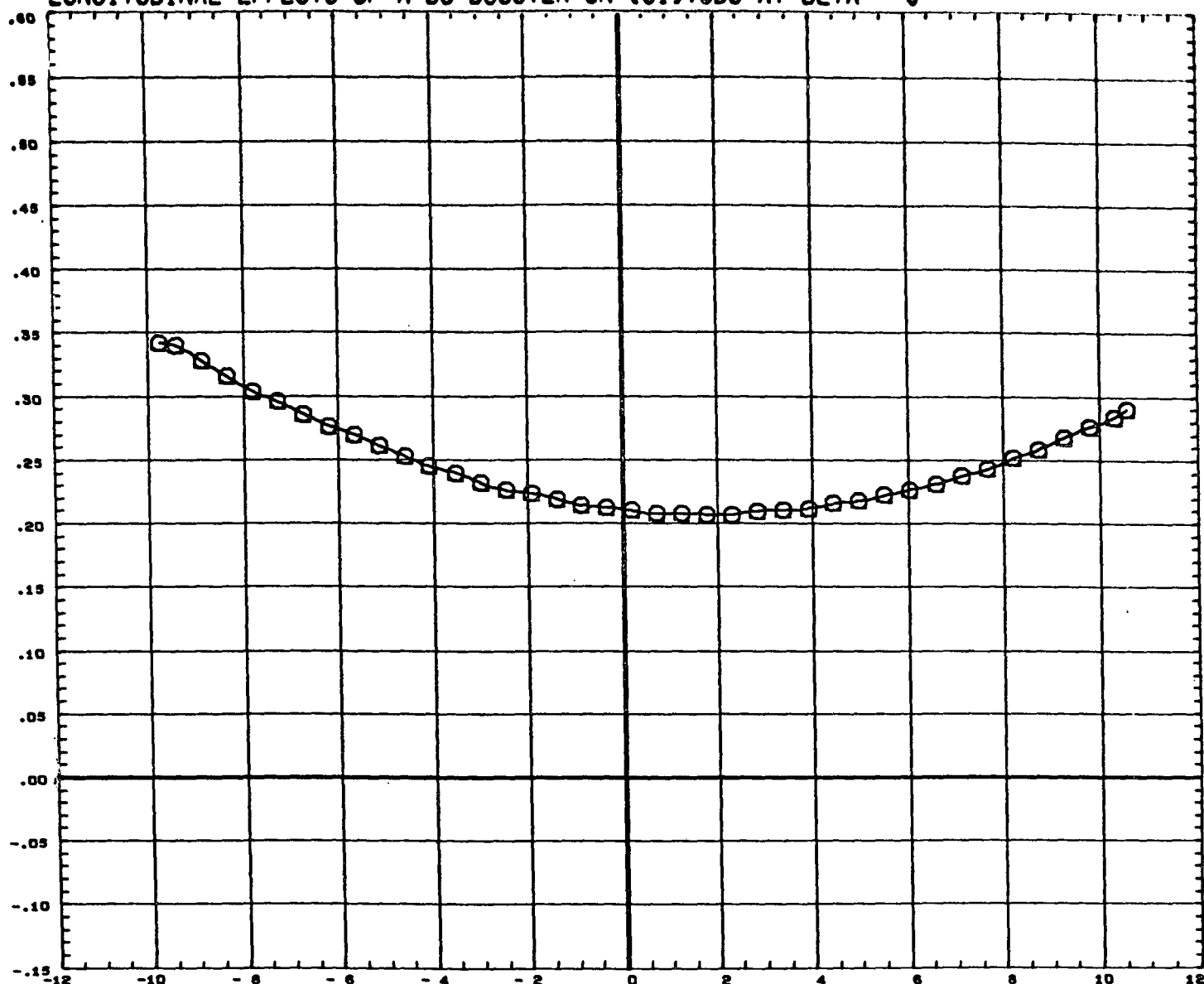
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) Q MDAC S-222 COMPOSITE(T-CG) (O1)T3B3
 (DD7491) A DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

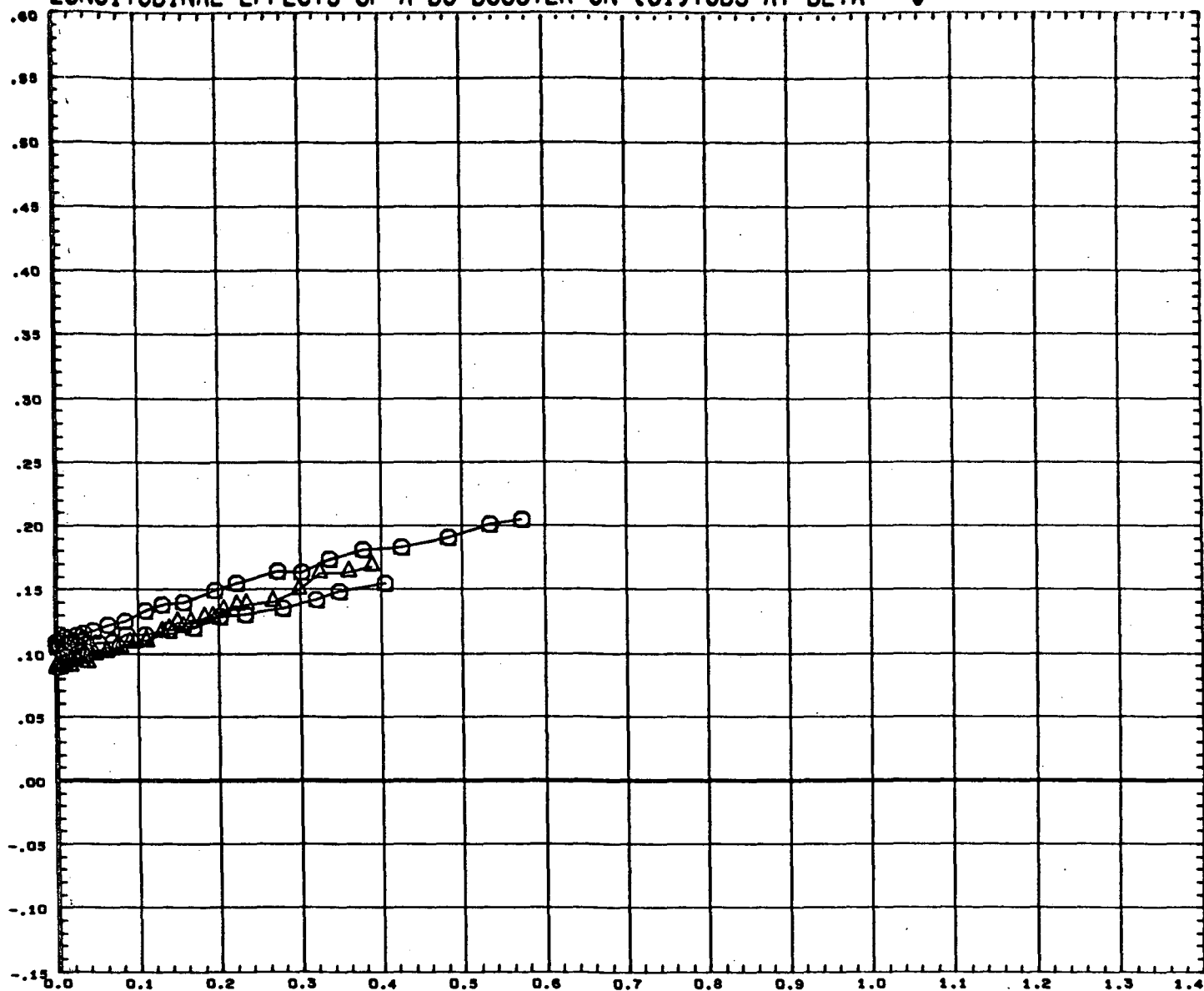
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 862.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DD7488) (01)T3B3
(DD7491) (01)T3B3L (B3R)

BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

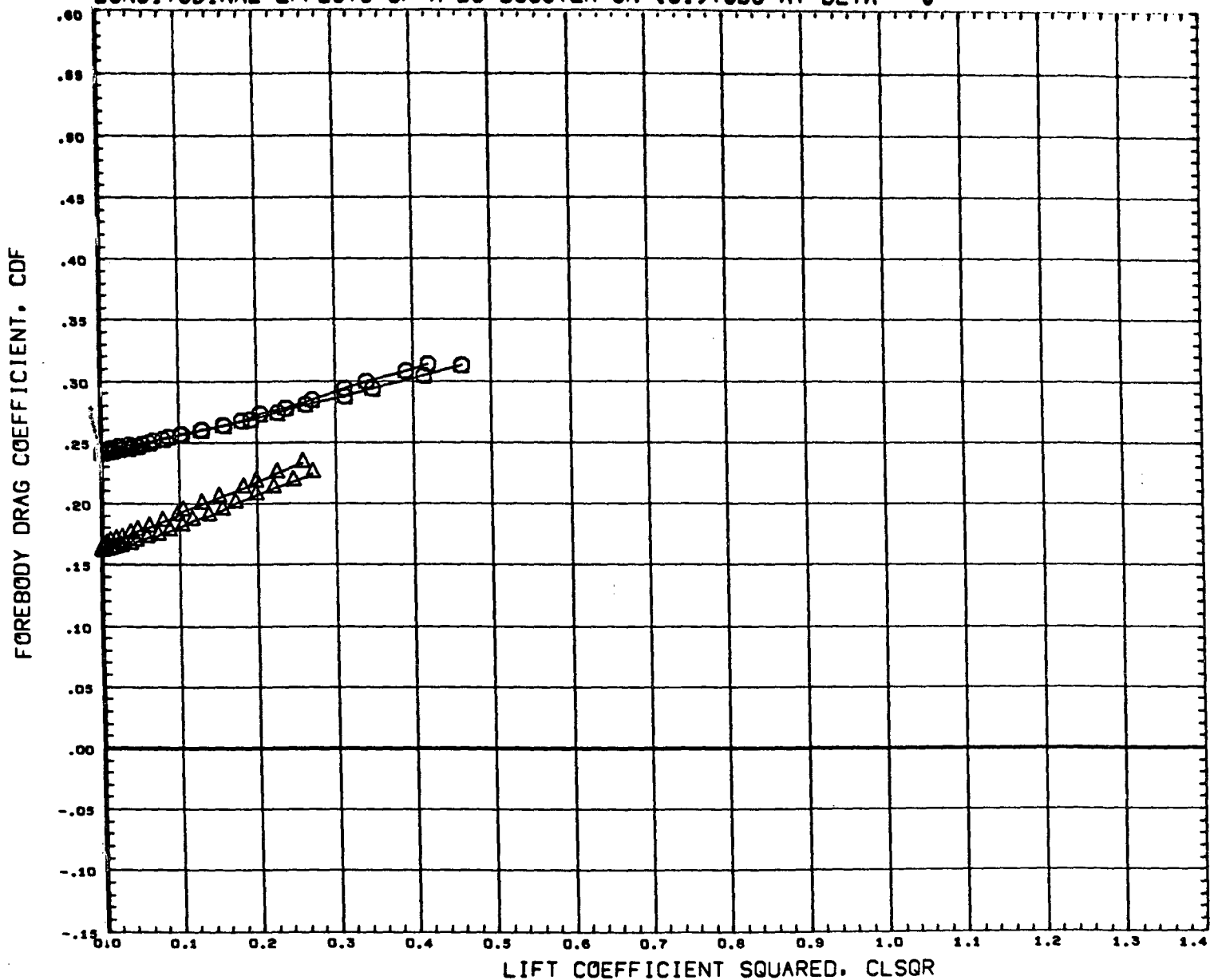
REFERENCE INFORMATION

SREF 3155.3040 SQ.FT.
LREF 609.3004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0080

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



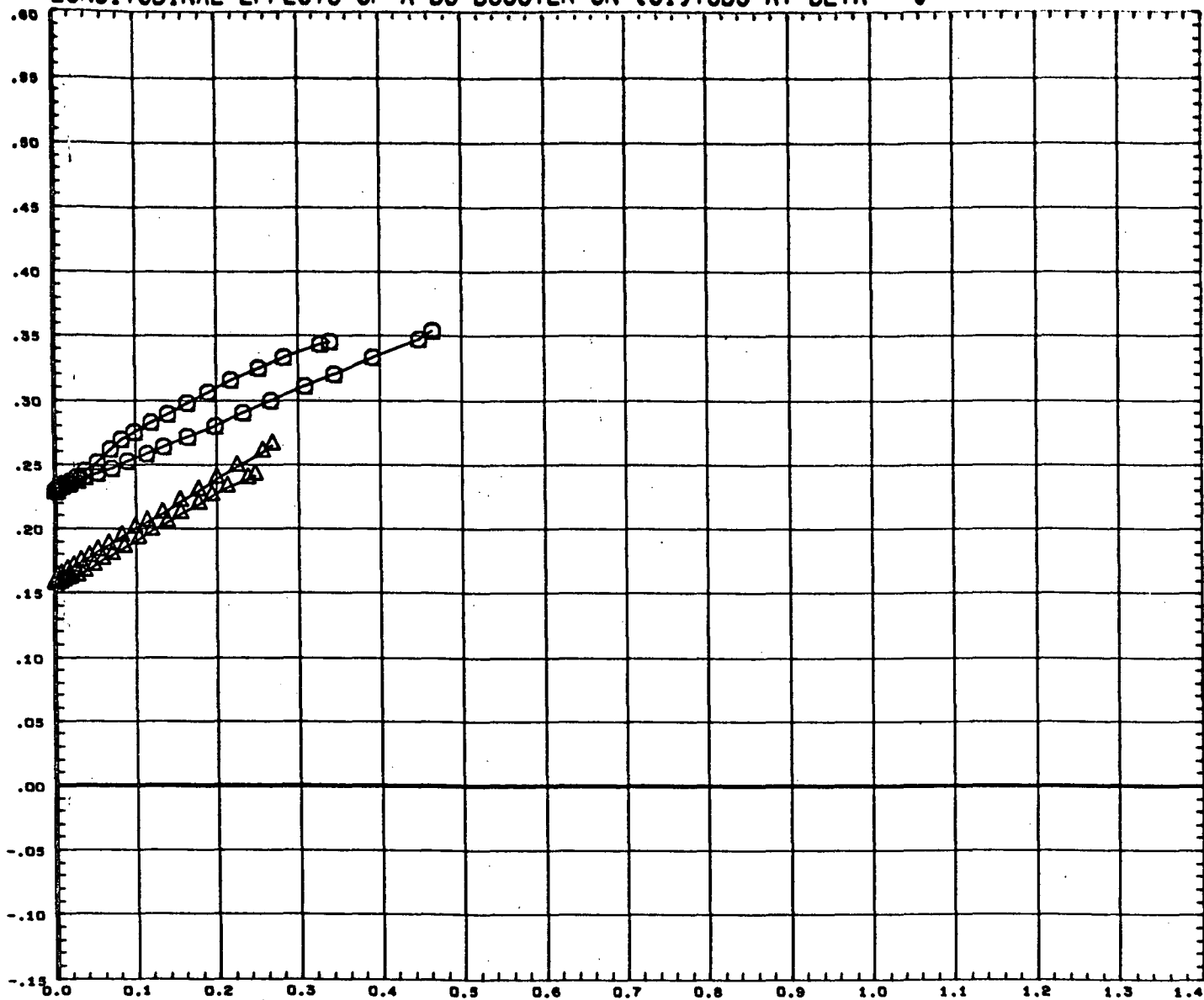
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-C6) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-C6) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)

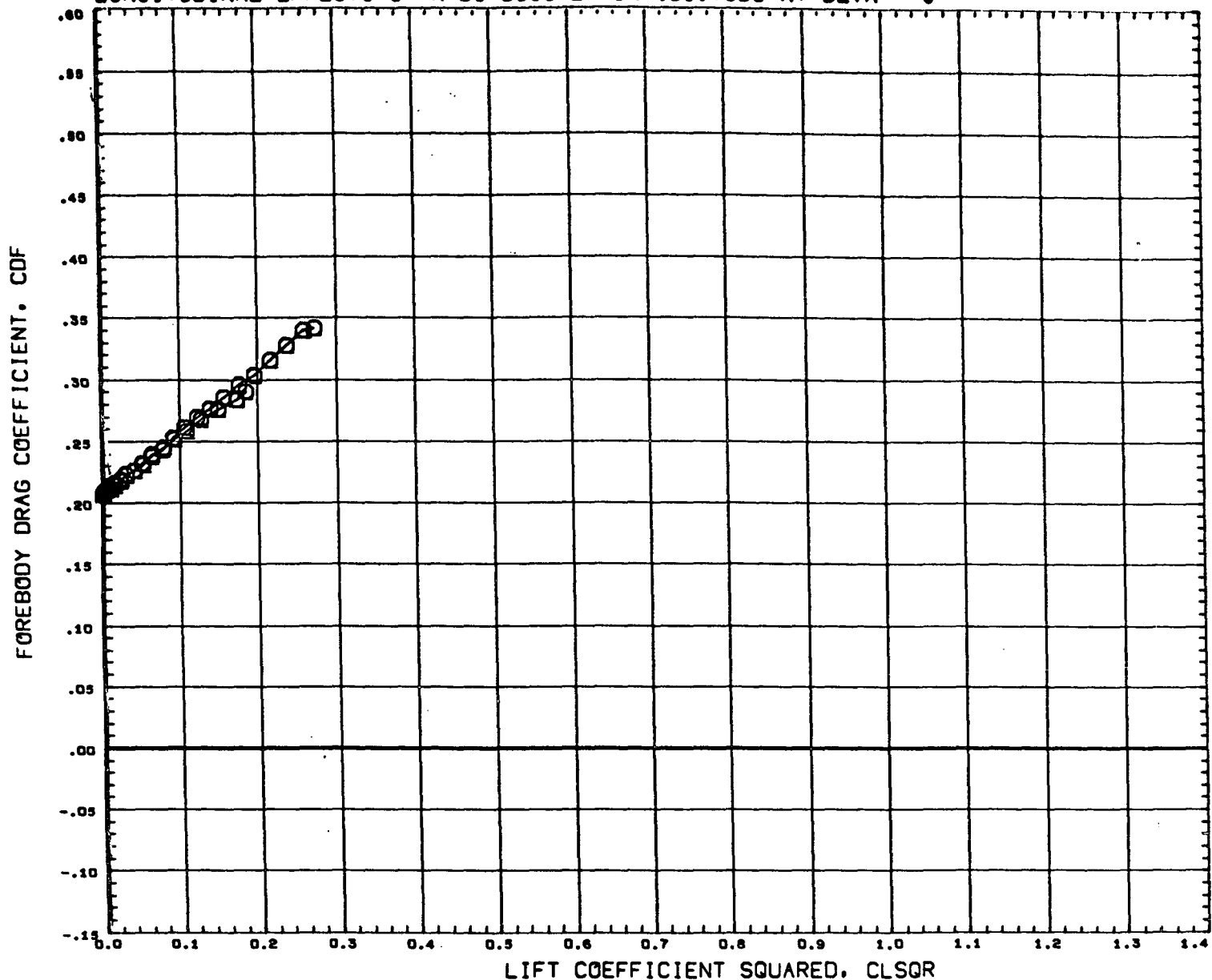
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SG.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



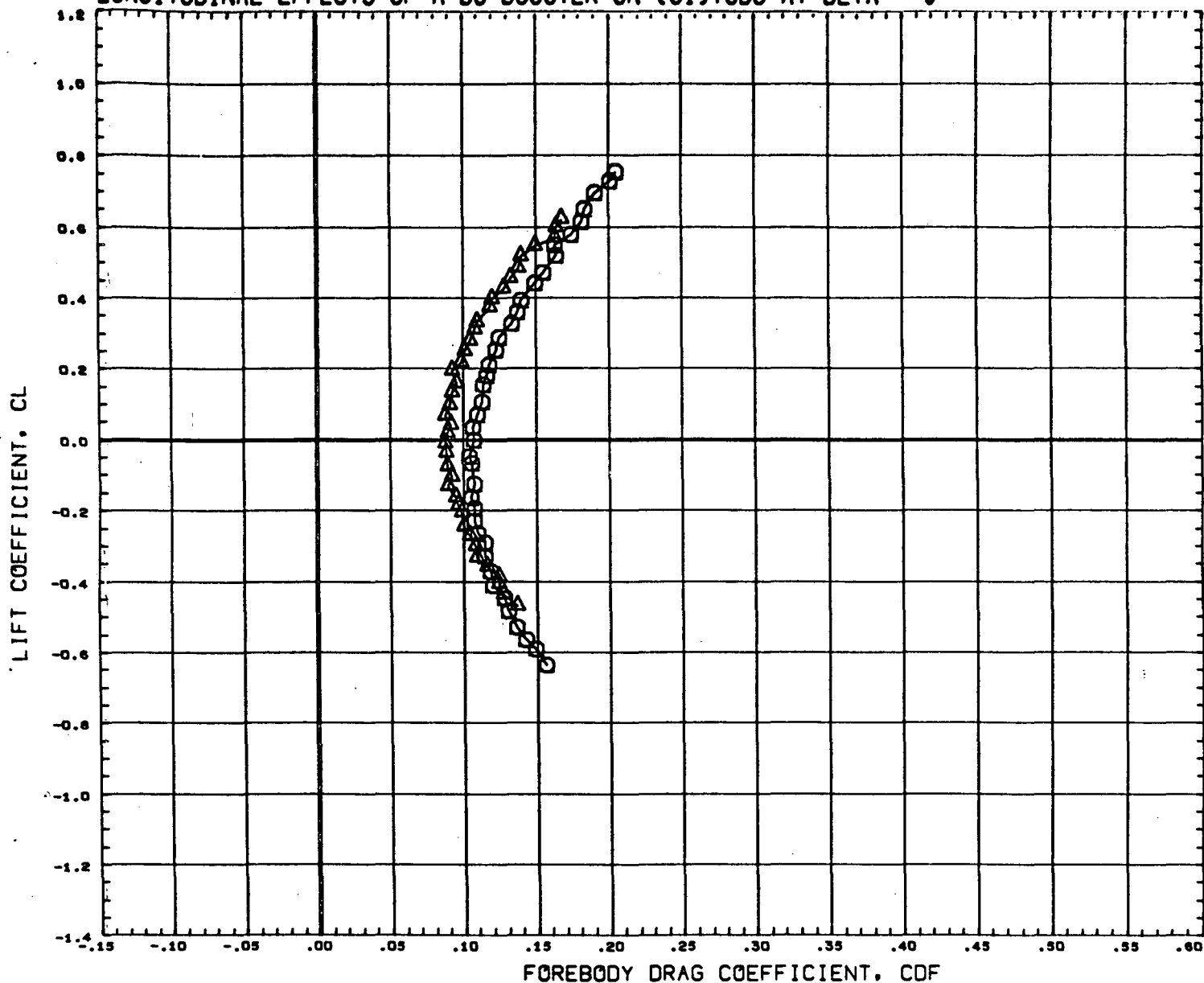
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD7491) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



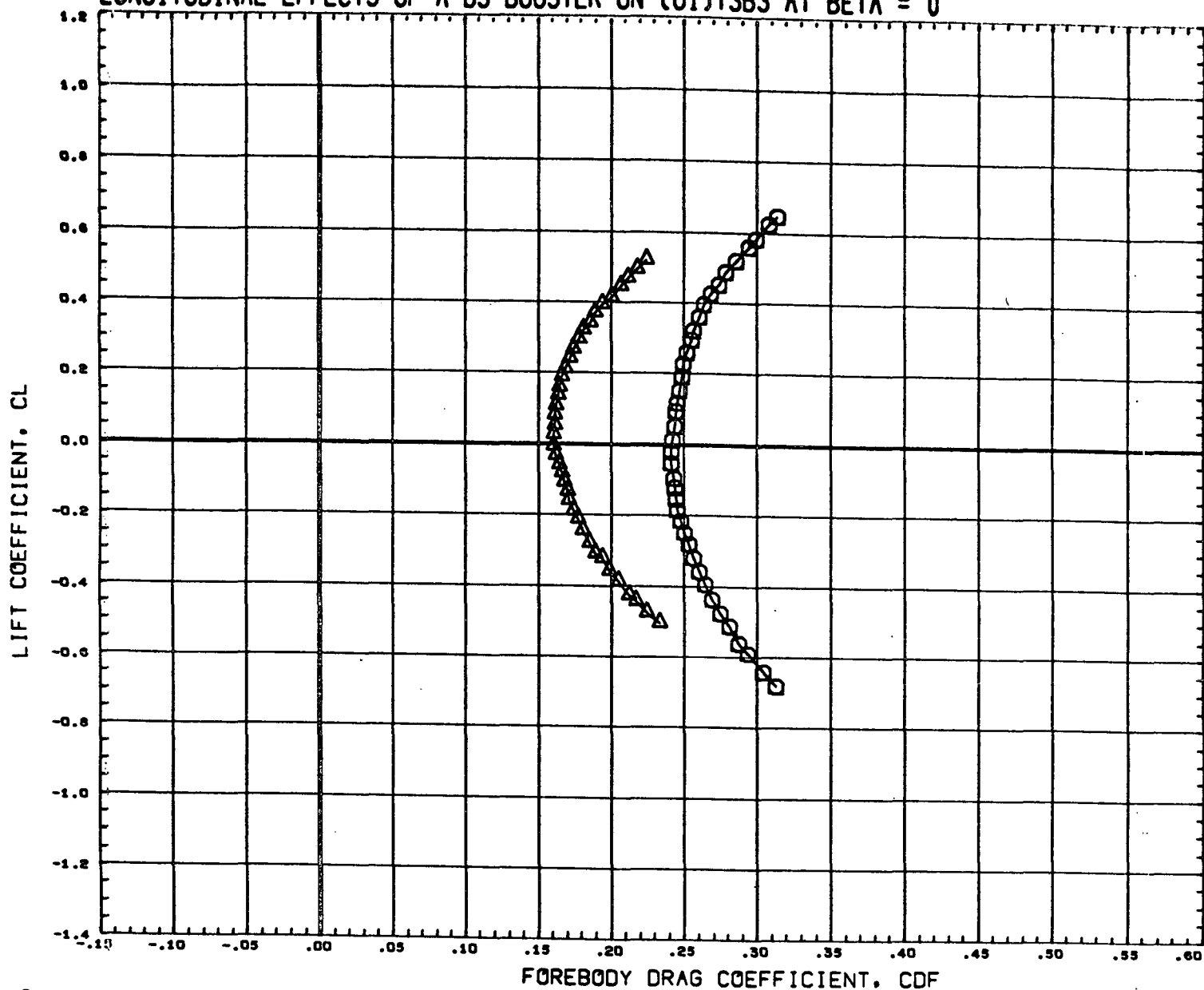
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488)  MDAC S-222 COMPOSITE (T-CG) (01) T3B3
 (DD7491)  MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)

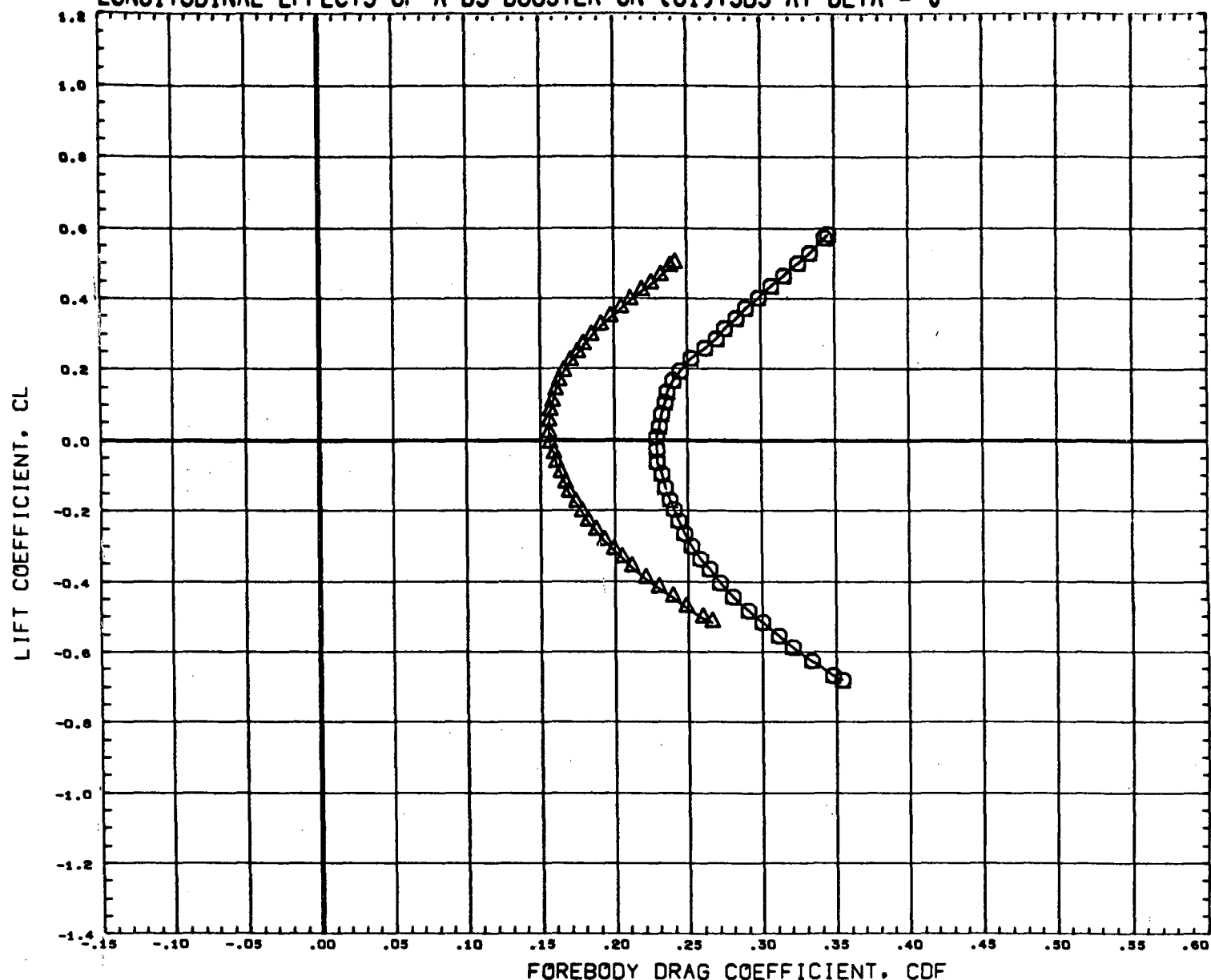
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 357.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

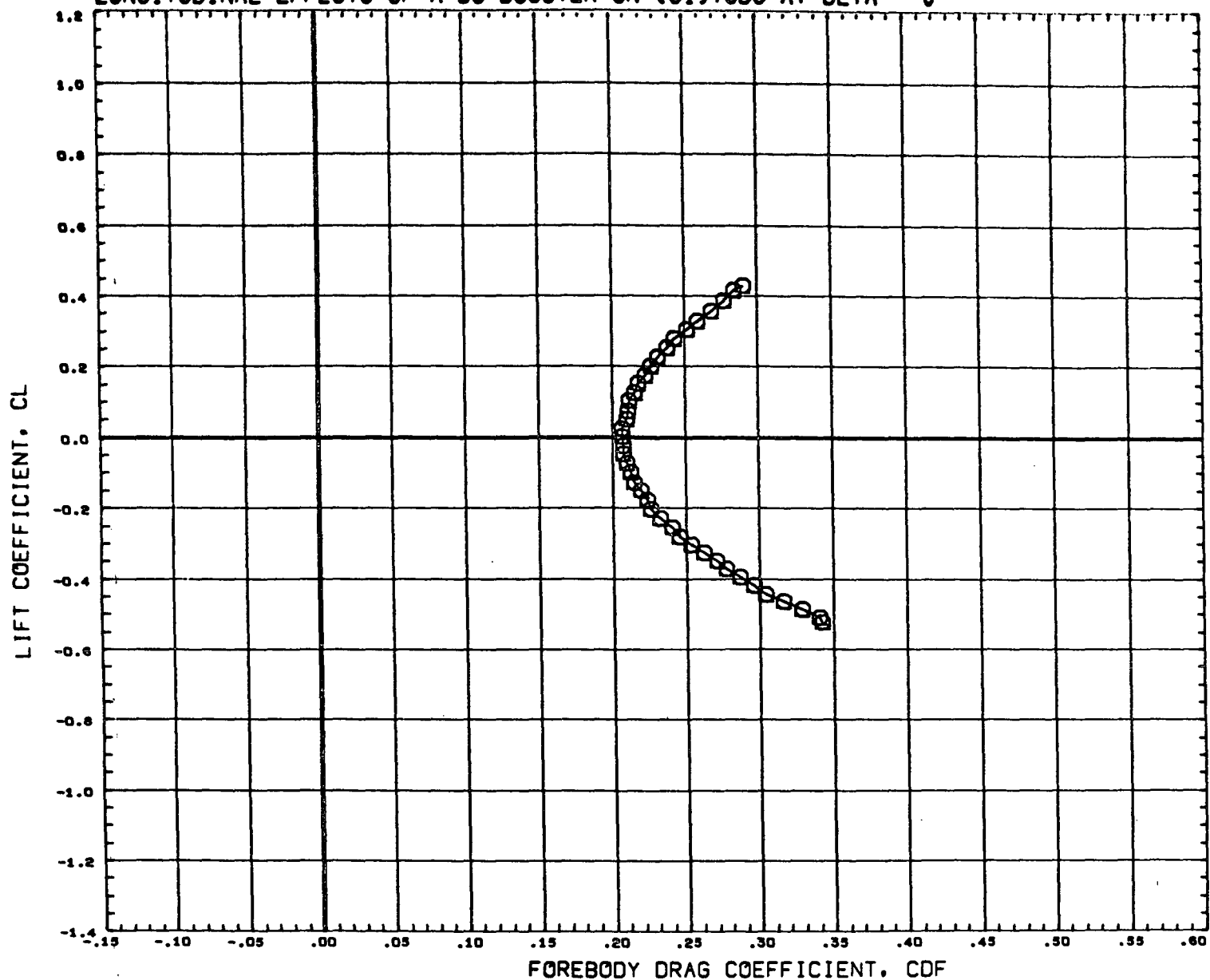


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	Q	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	A	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



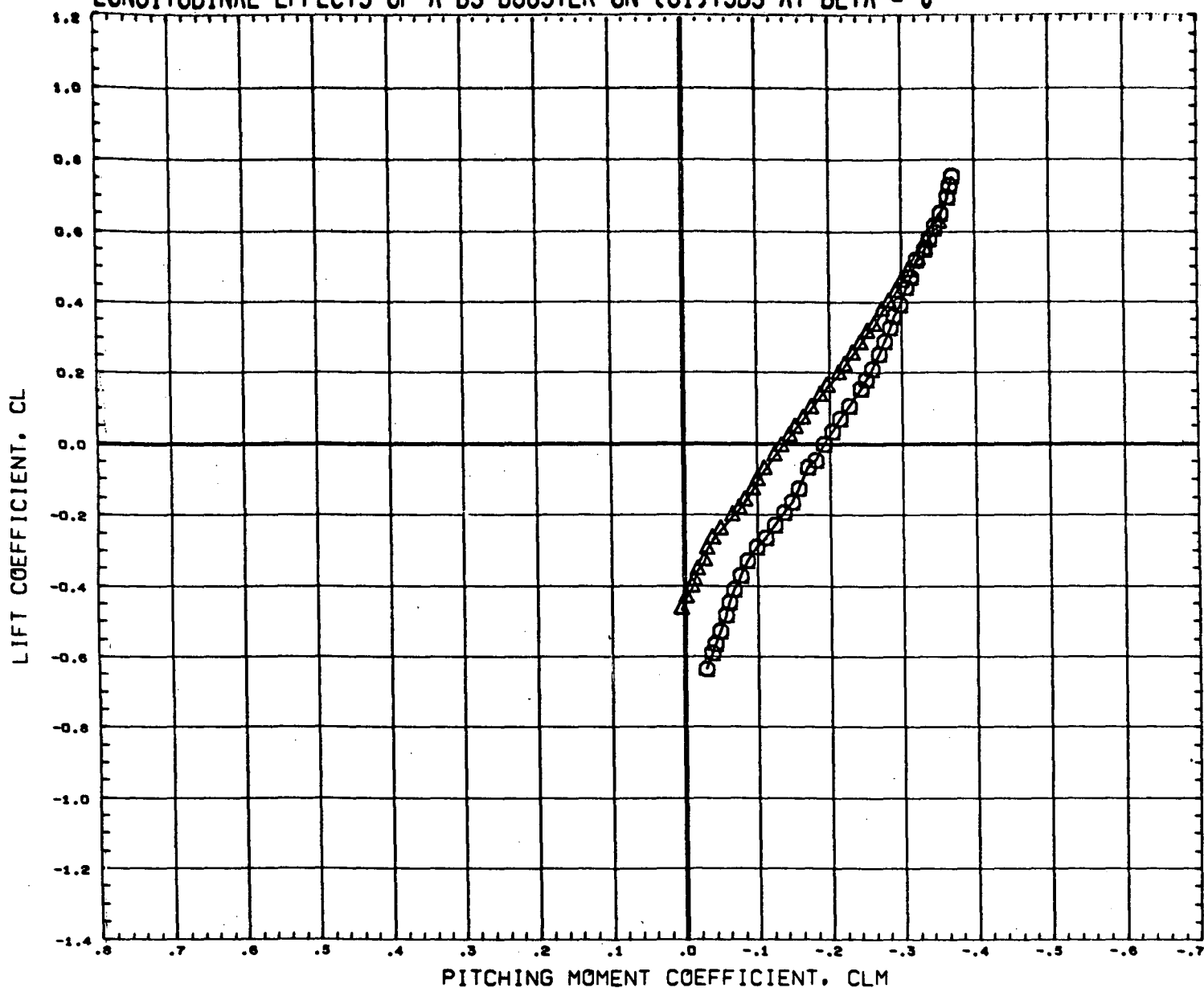
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD7491) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

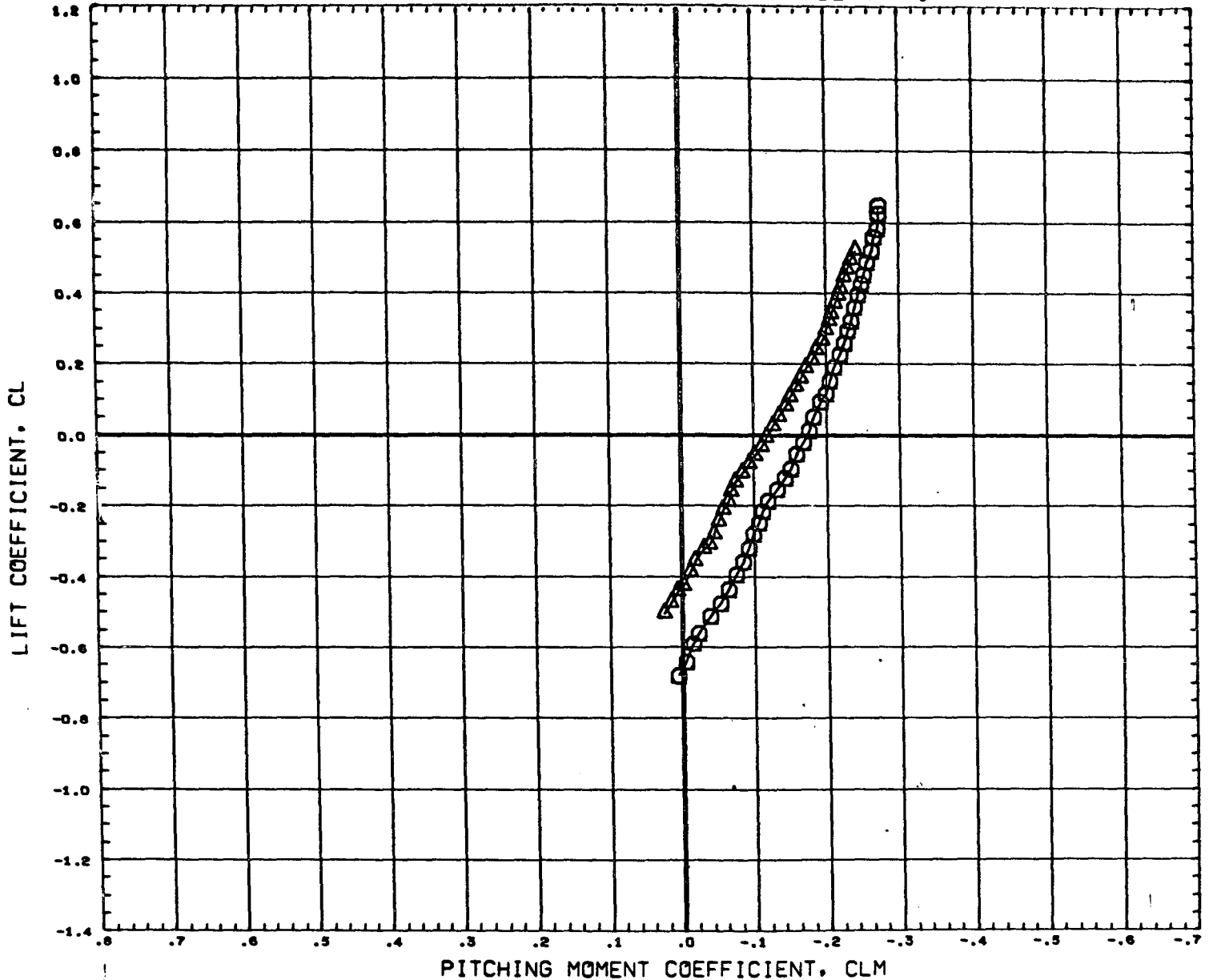


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

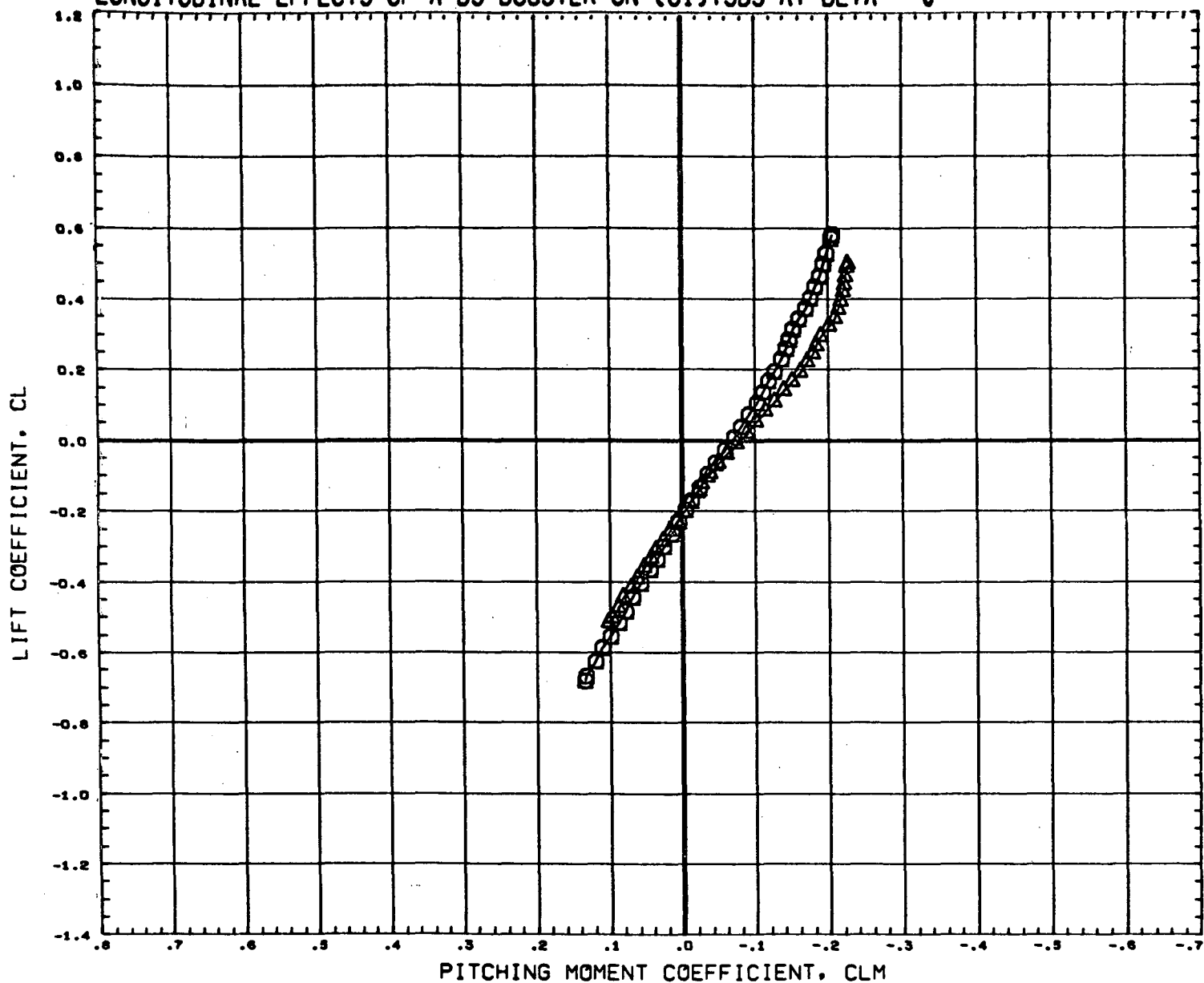


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

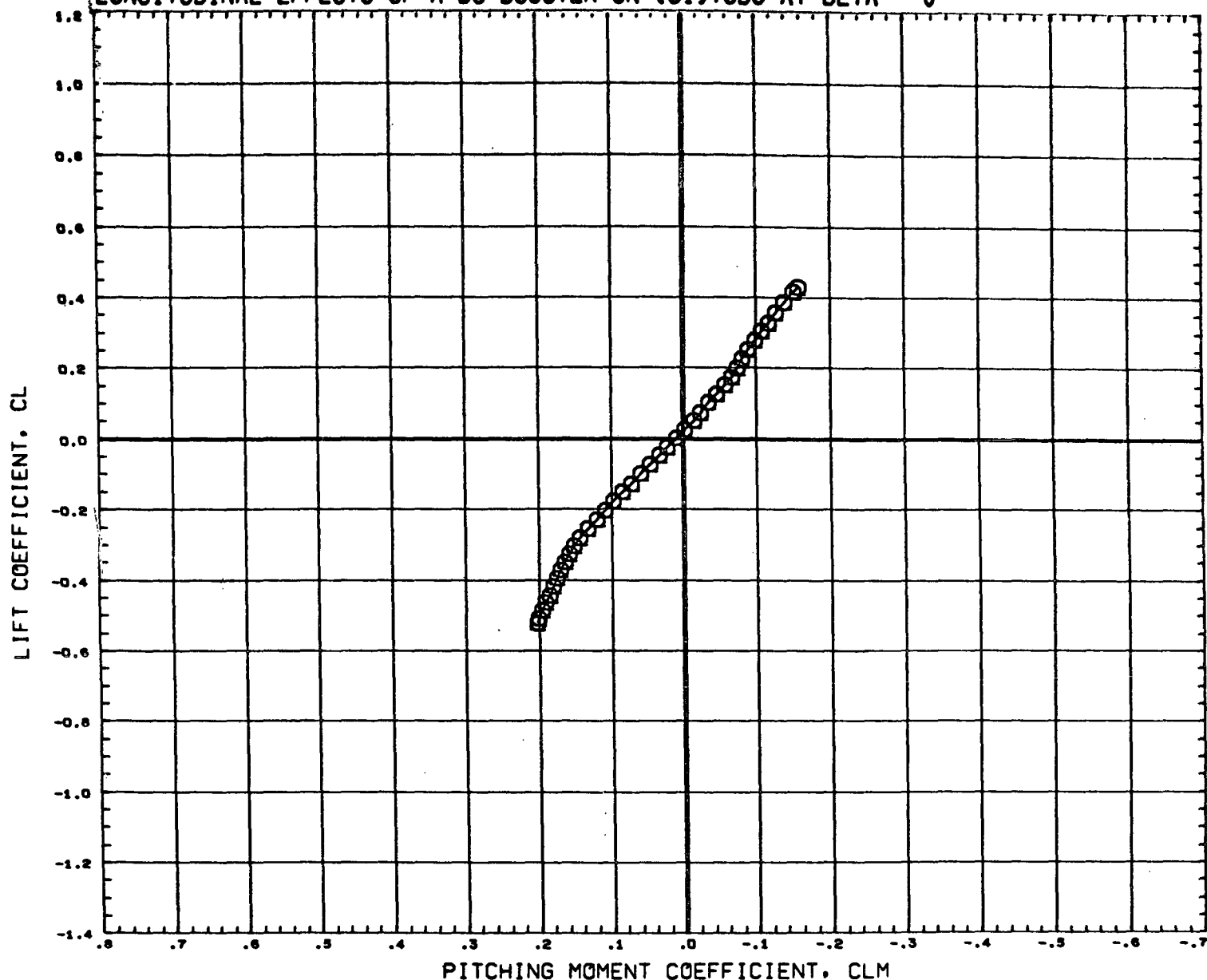


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040	30.FT.
(DD7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	537.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



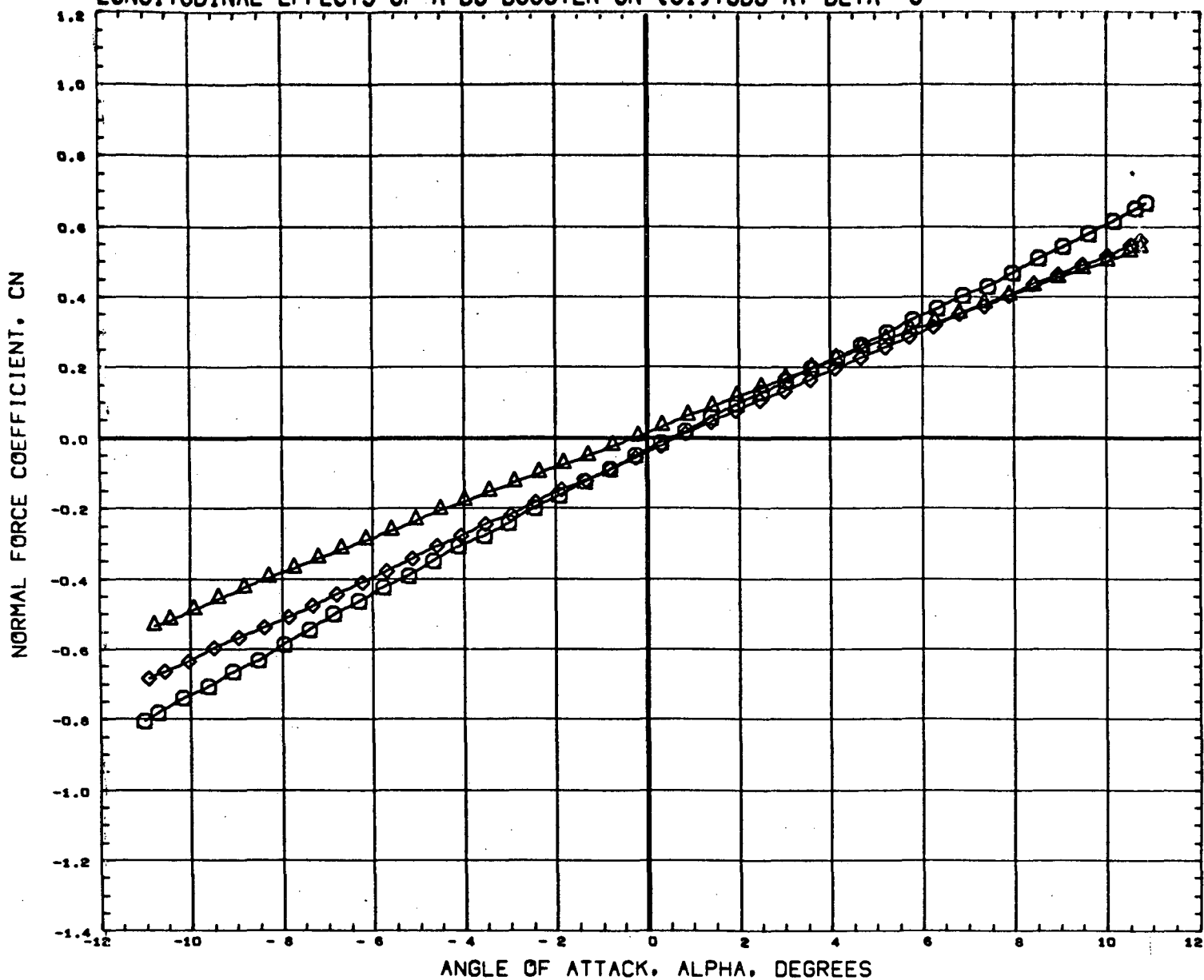
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) Q MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD7491) A DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				YMRP	557.0004 IN.
				ZMRP	0.0000 IN.
				SCALE	200.0004 IN.
					0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA =6

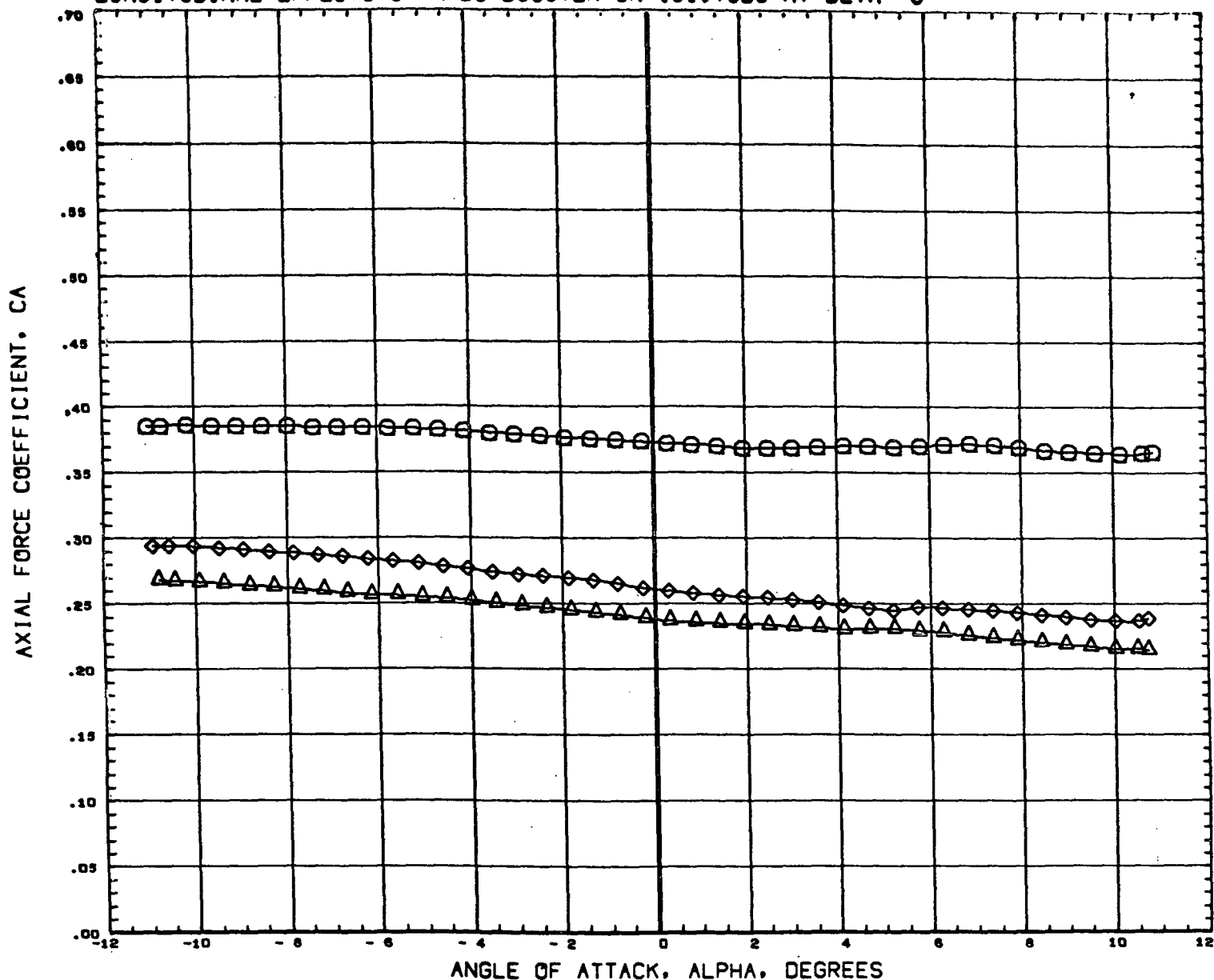


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7494)	MDAC S-222 COMPOSITE (T-CG) (01) T3 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA =6

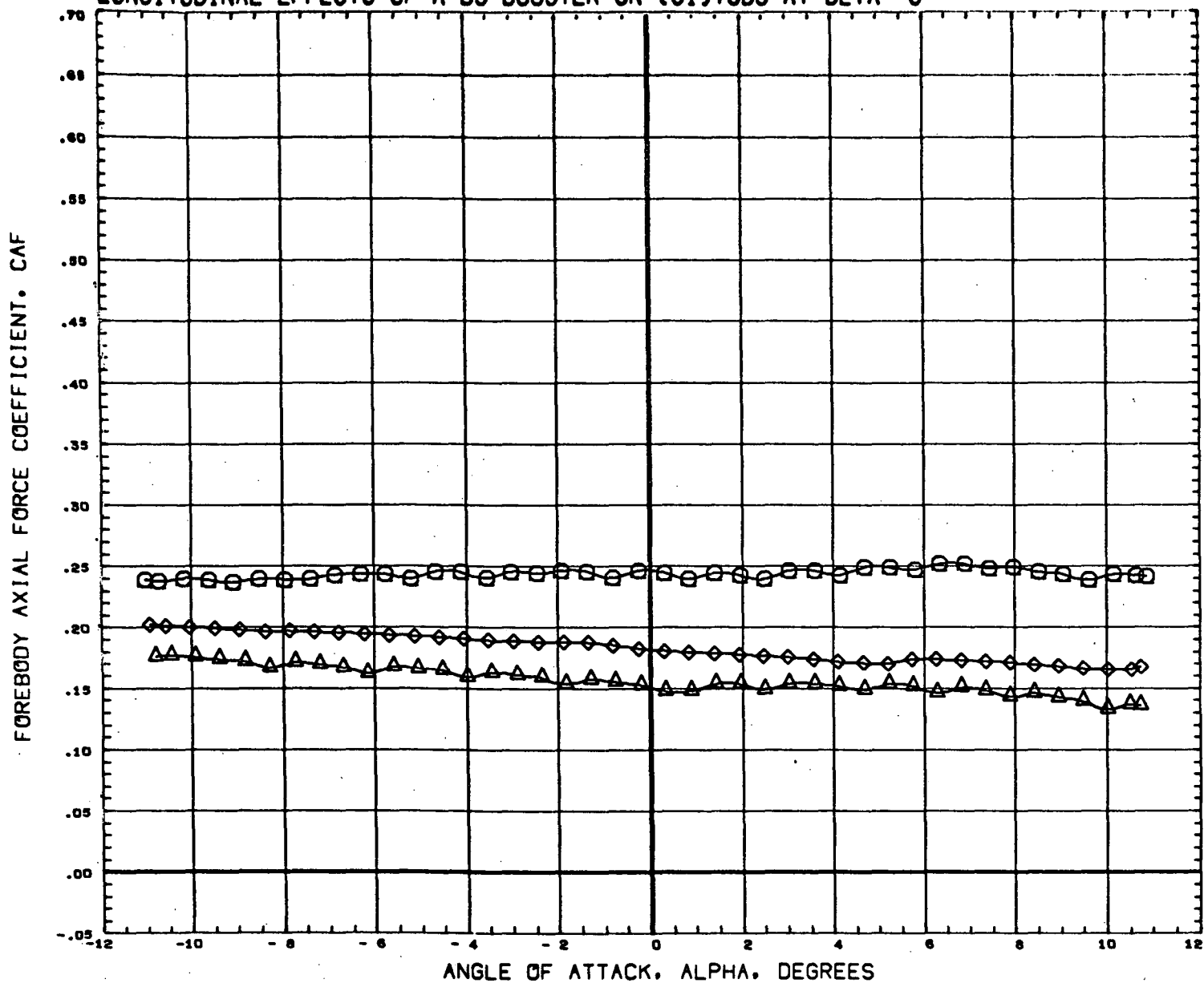


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07490)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07493)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(C07494)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA =6



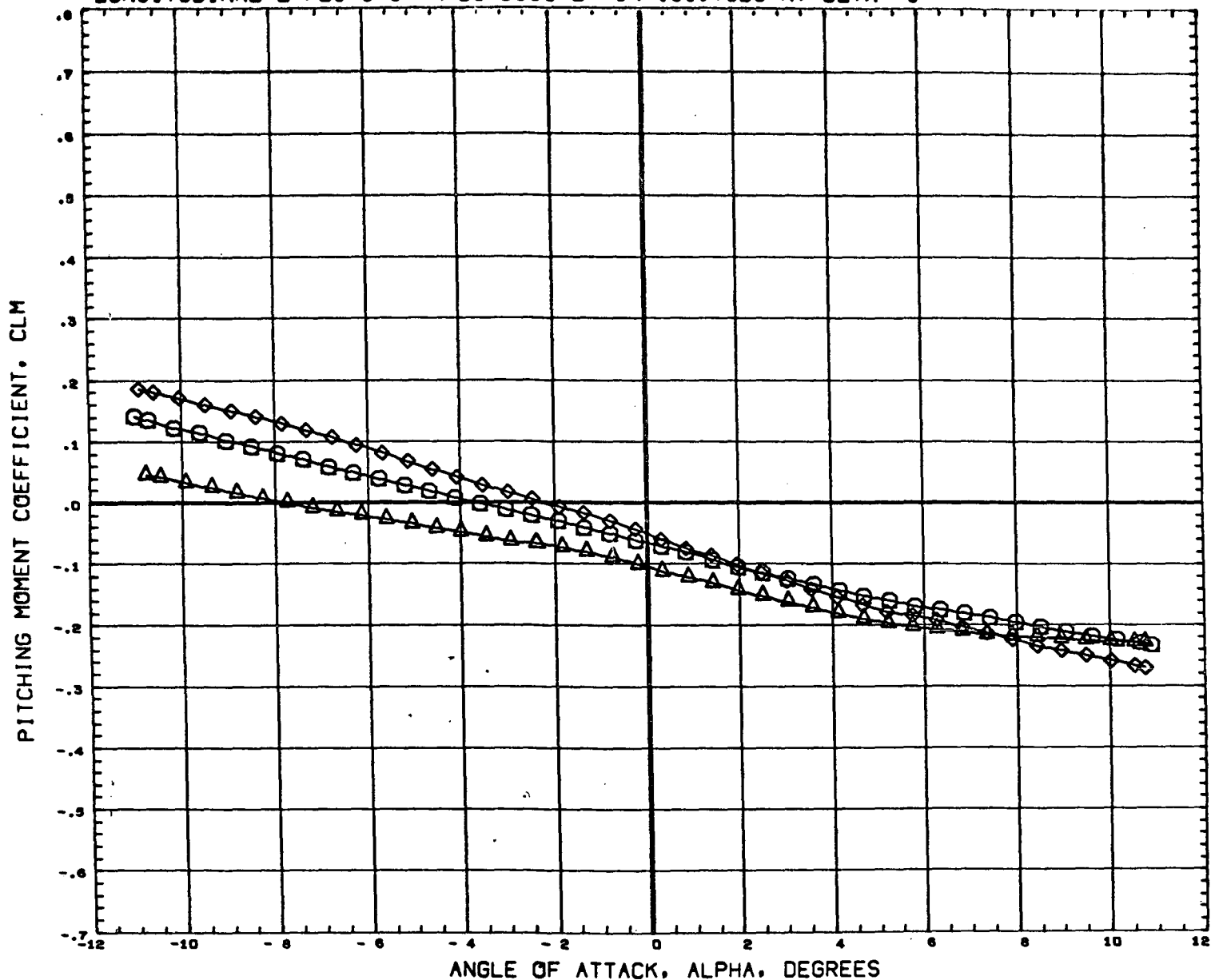
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7490)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(CD7494)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH

2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA =6

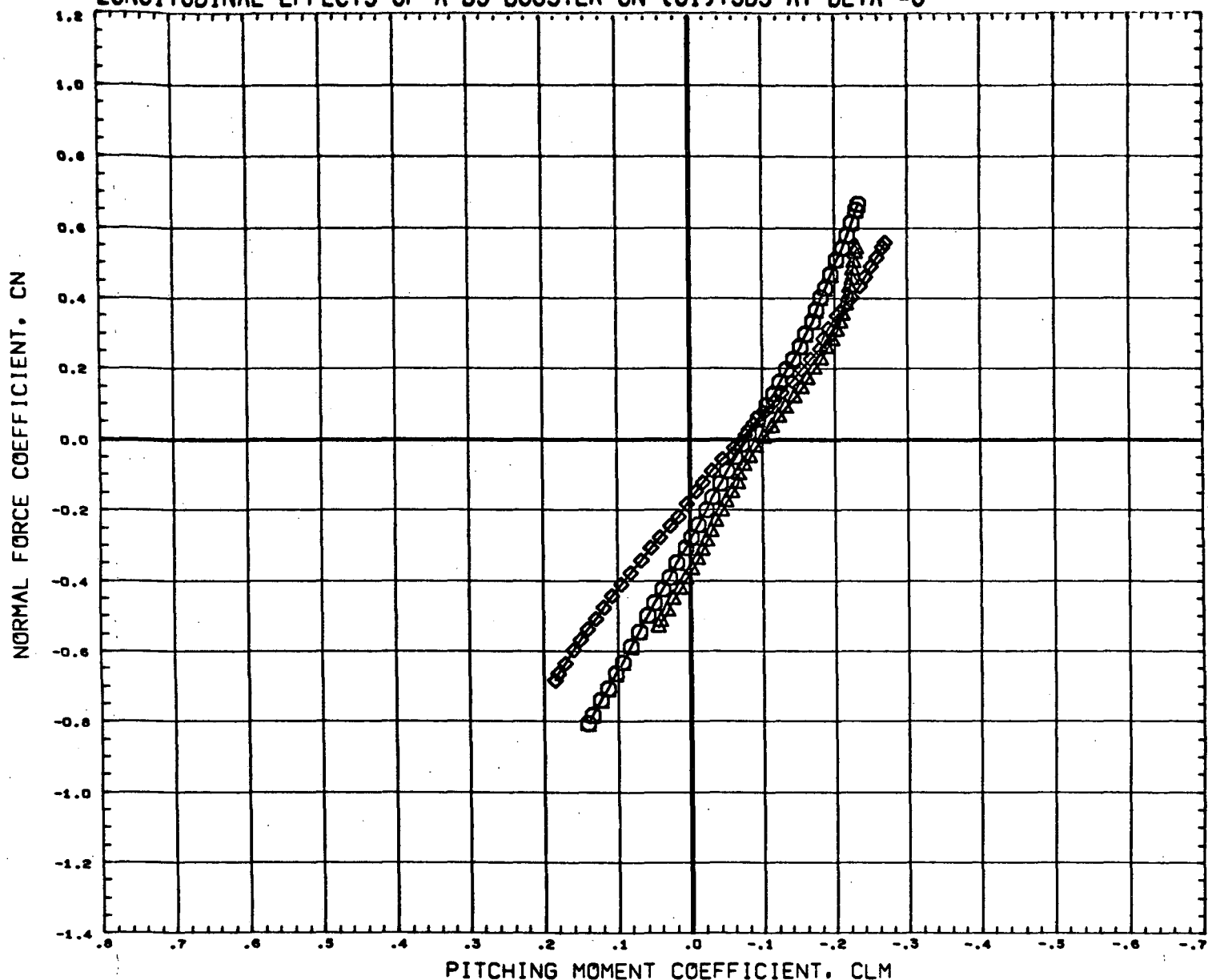


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	○	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	△	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7494)	◇	MDAC S-222 COMPOSITE (T-CG) (01) T3 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA =6

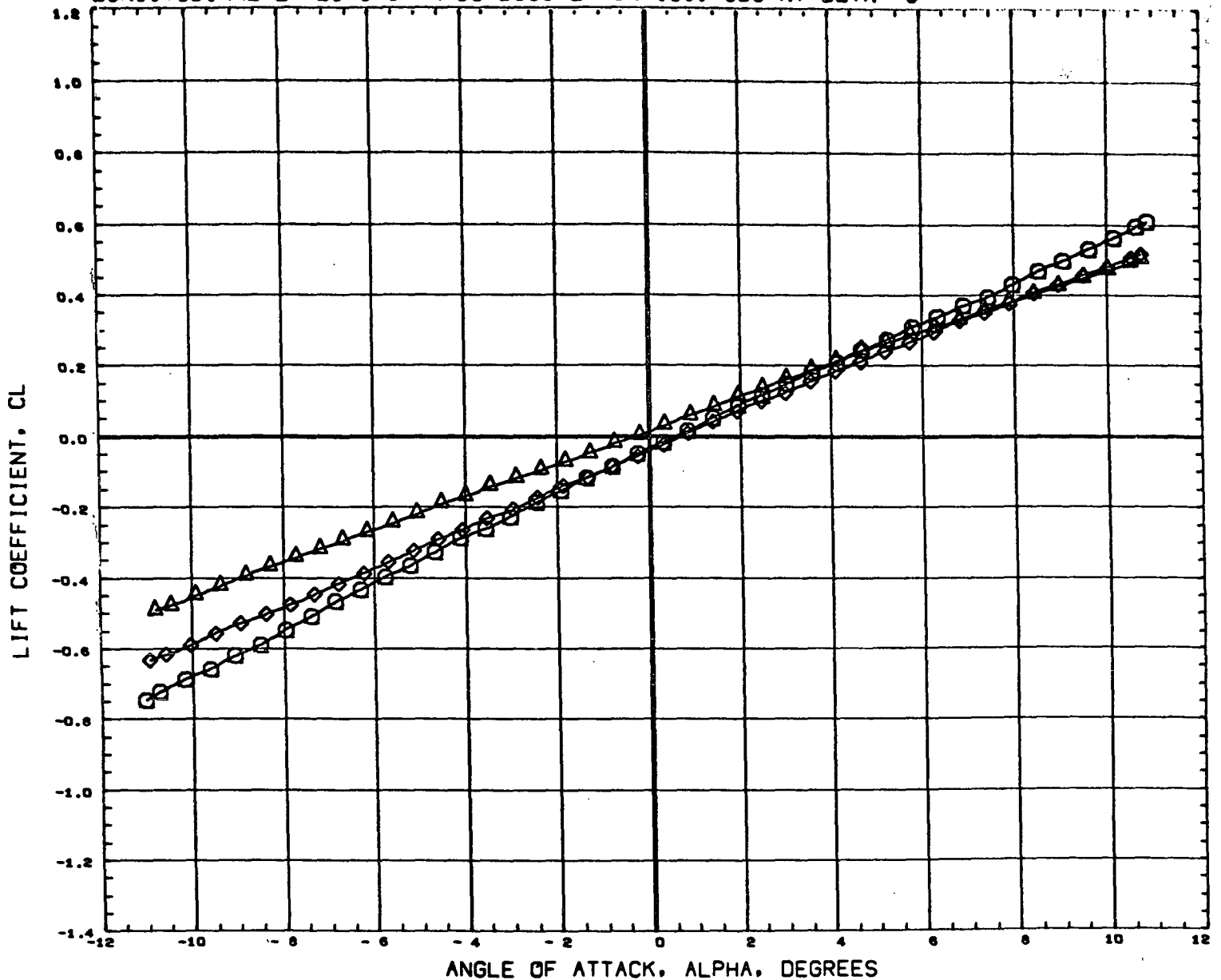


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7494)	MDAC S-222 COMPOSITE (T-CG) (O1)T3 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA =6



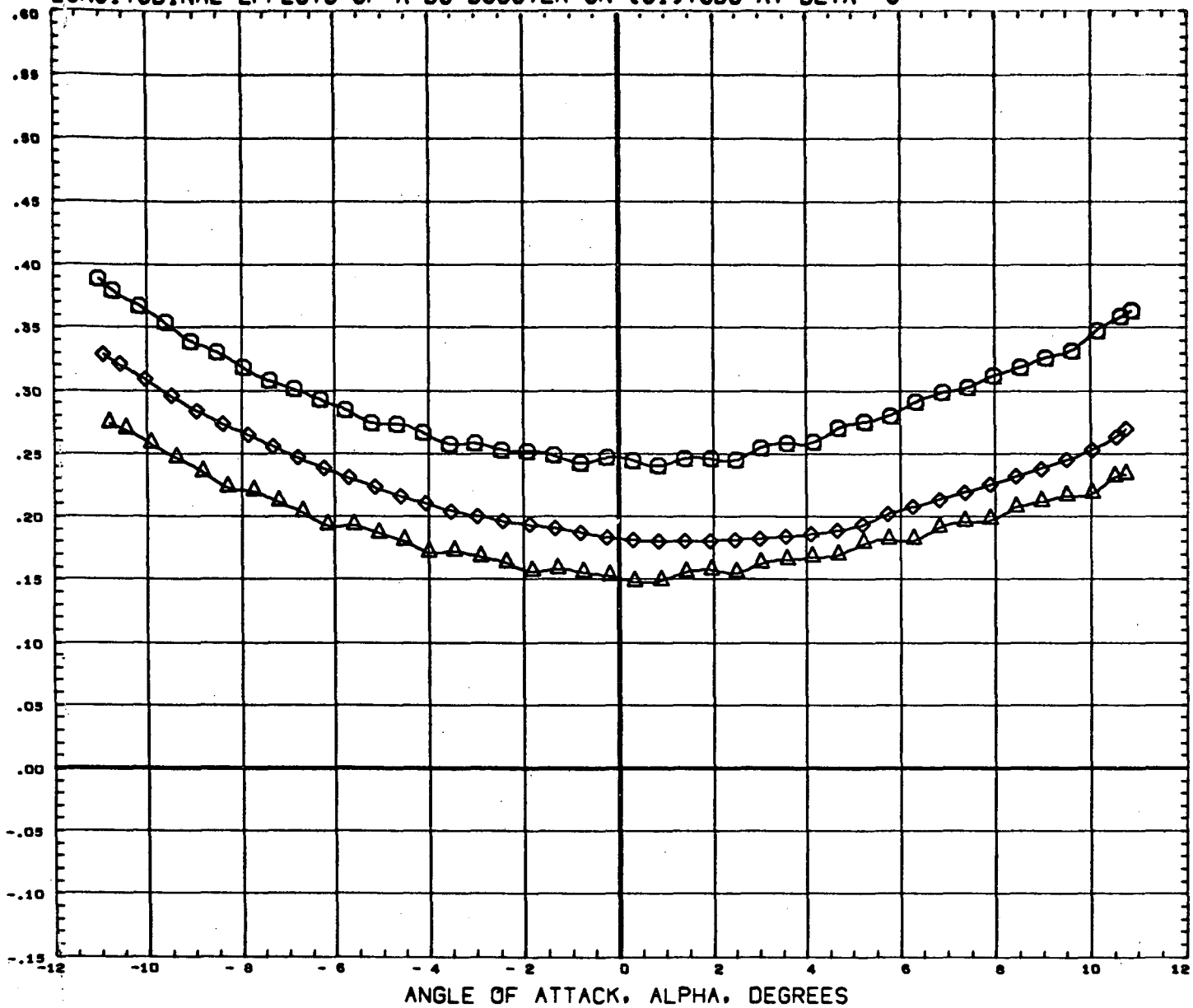
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	MDAC S-222 COMPOSITE(T-CG) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE(T-CG) (O1) T3B3L(B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7494)	MDAC S-222 COMPOSITE(T-CG) (O1) T3(B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA =6

FOREBODY DRAG COEFFICIENT, CDF

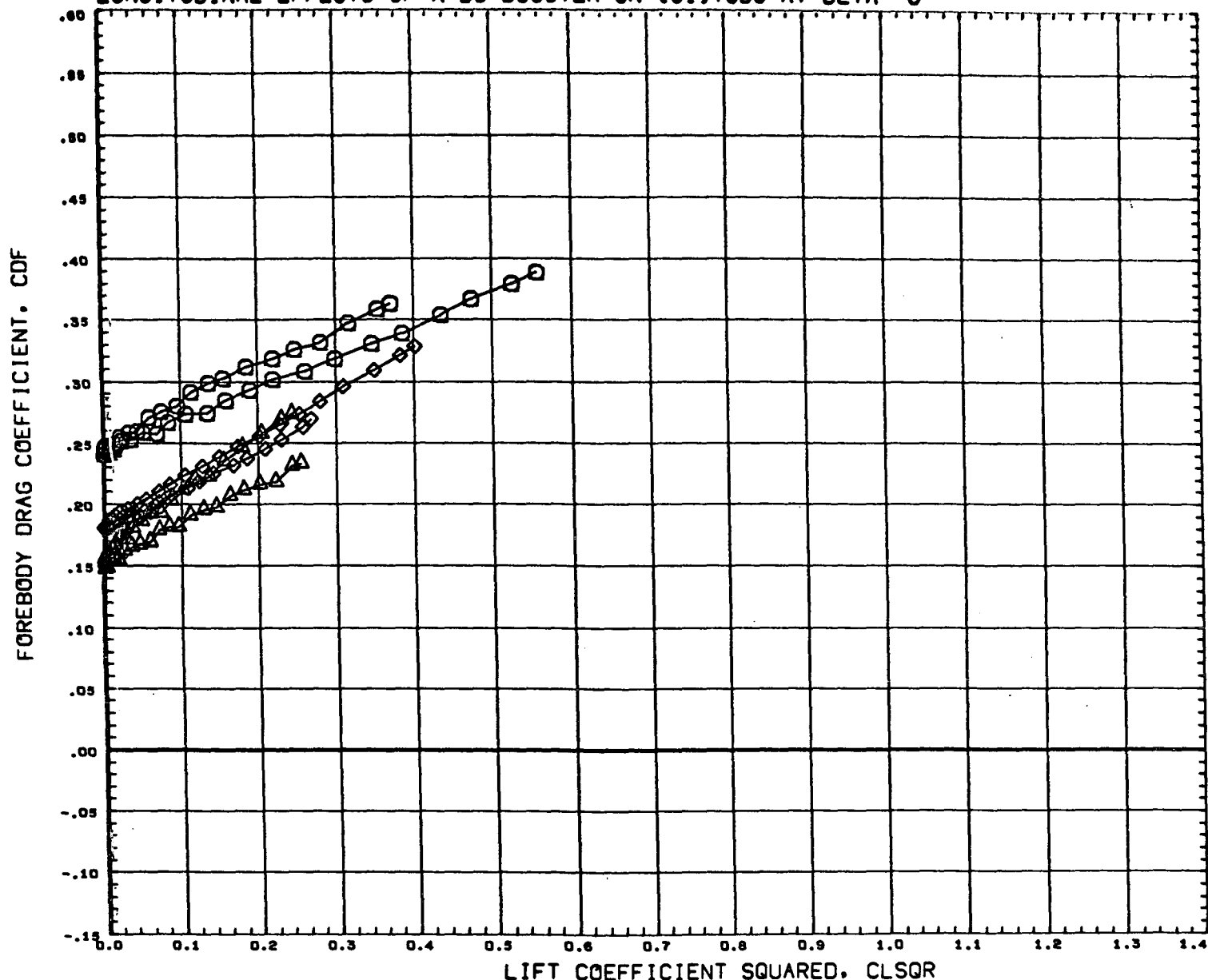


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7494)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA =6



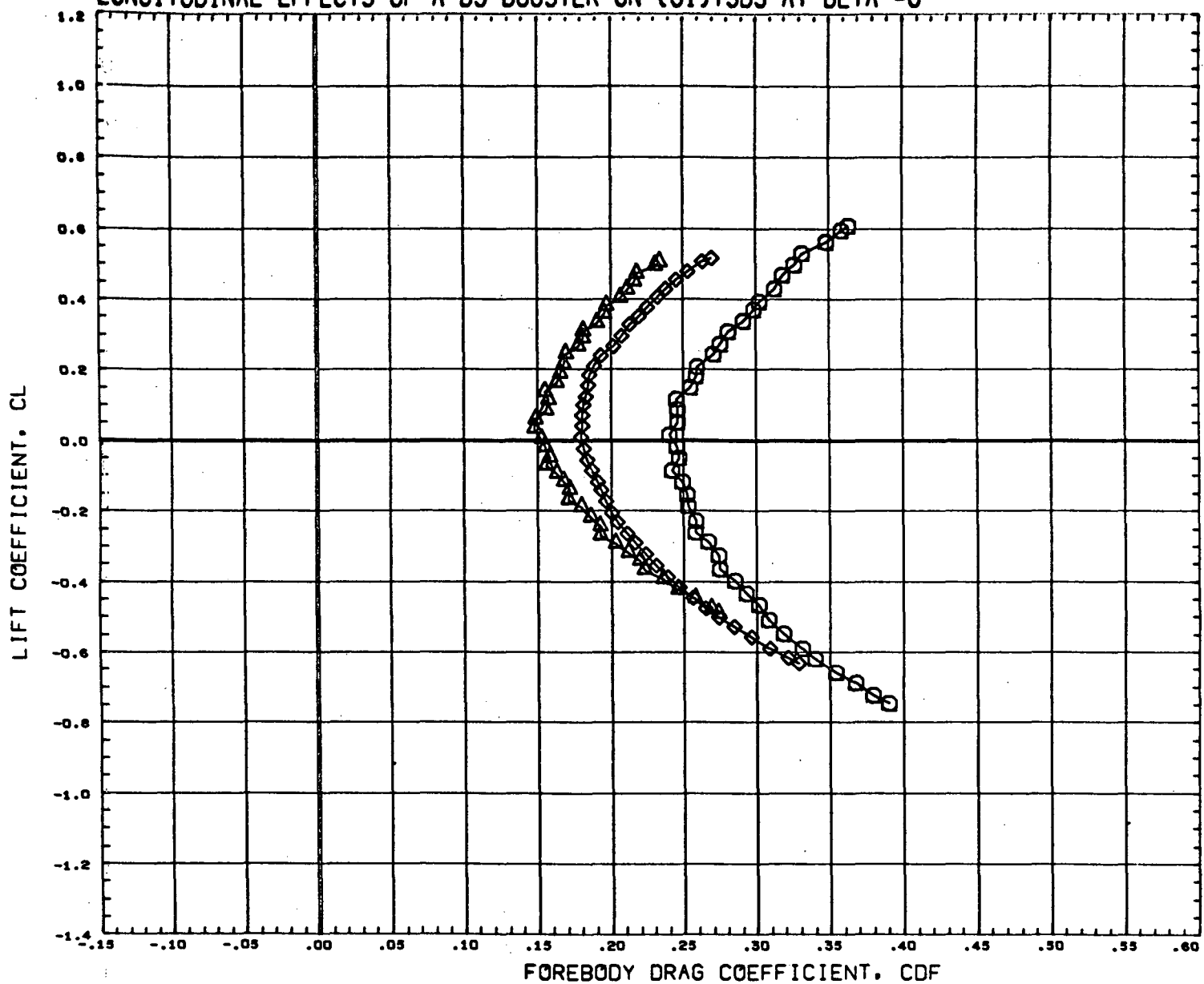
LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
(CD7494)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA =6

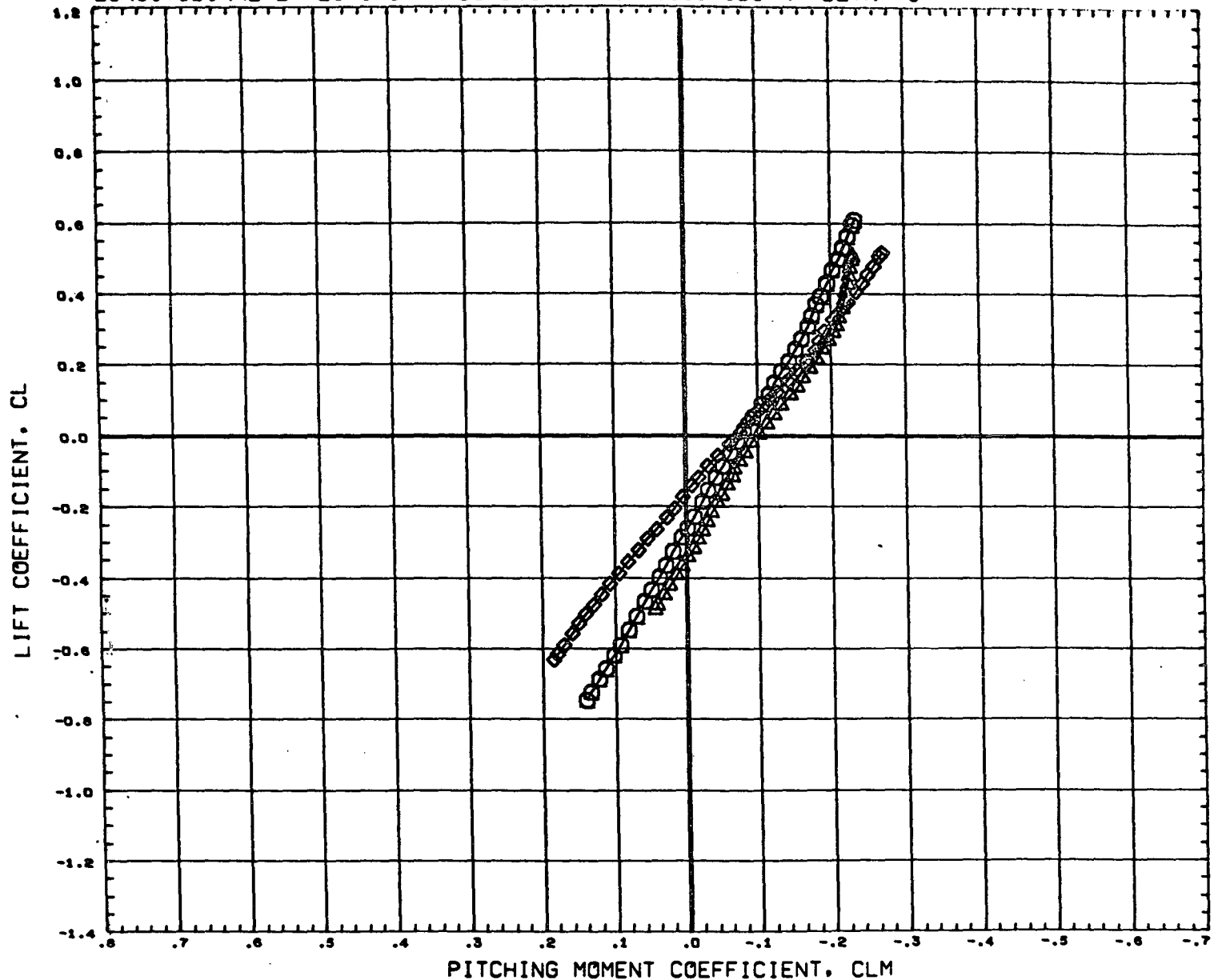


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7494)	MDAC S-222 COMPOSITE (T-CG) (01) T3 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA =6

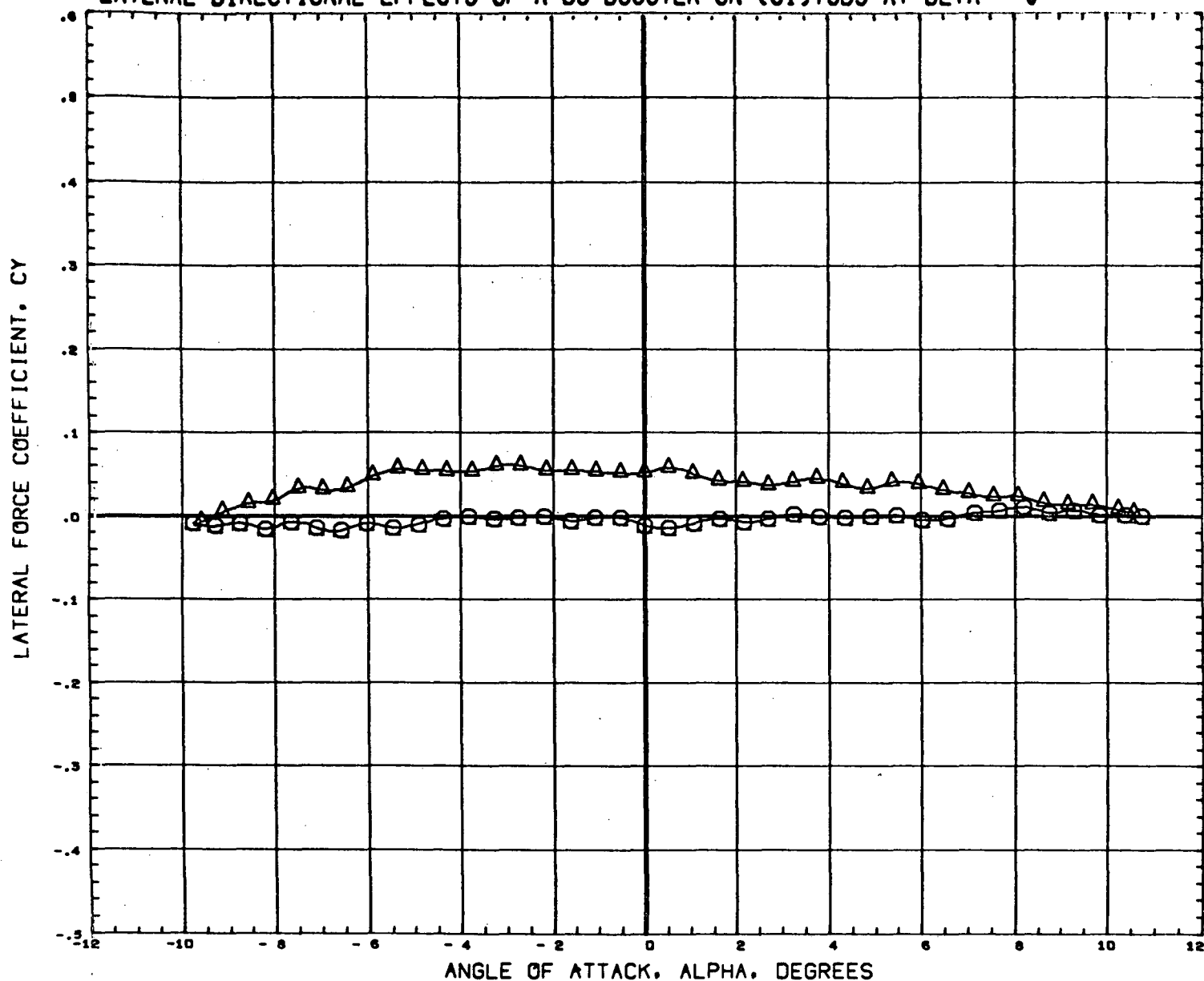


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7490)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7493)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7494)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



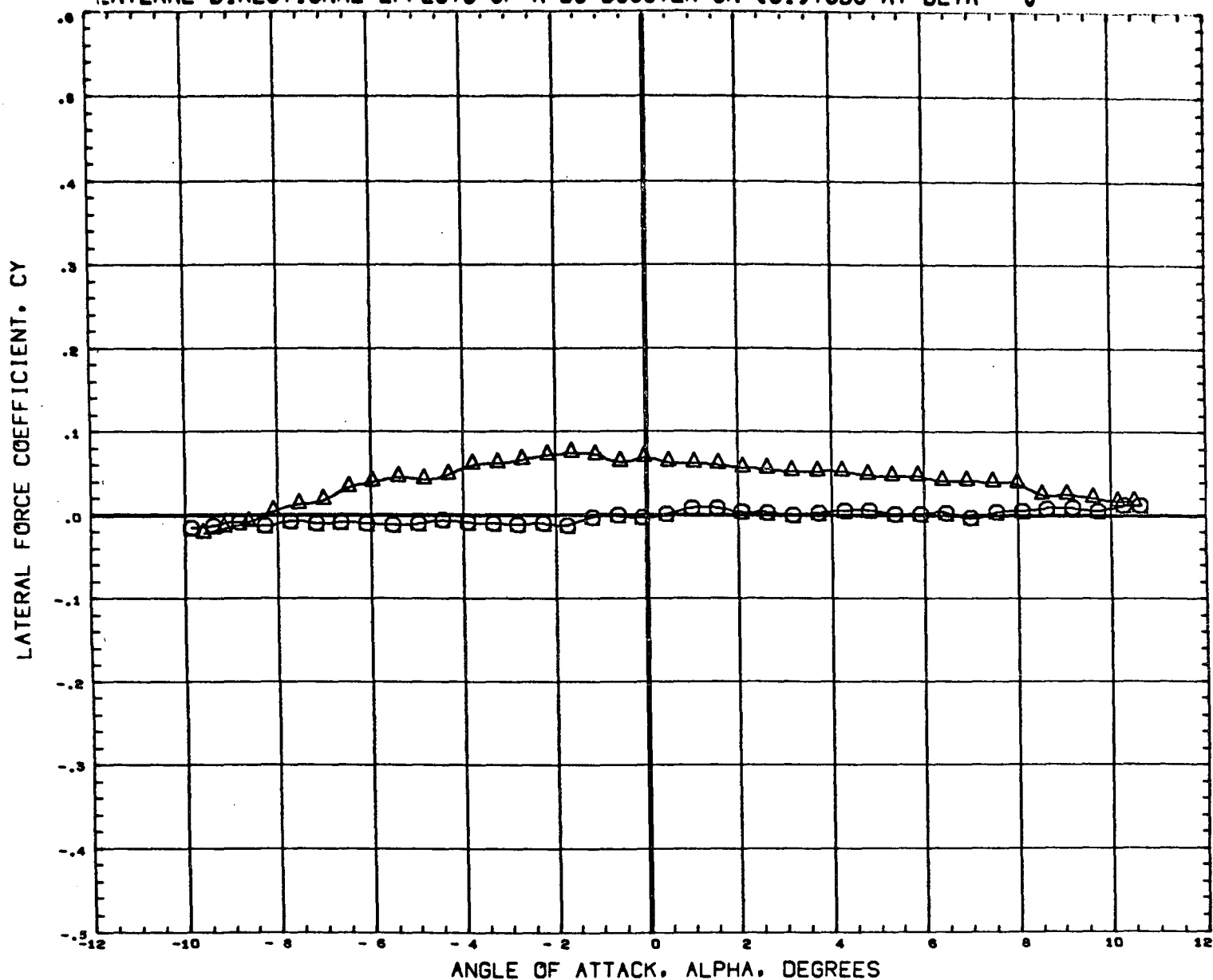
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7491)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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C.5

LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



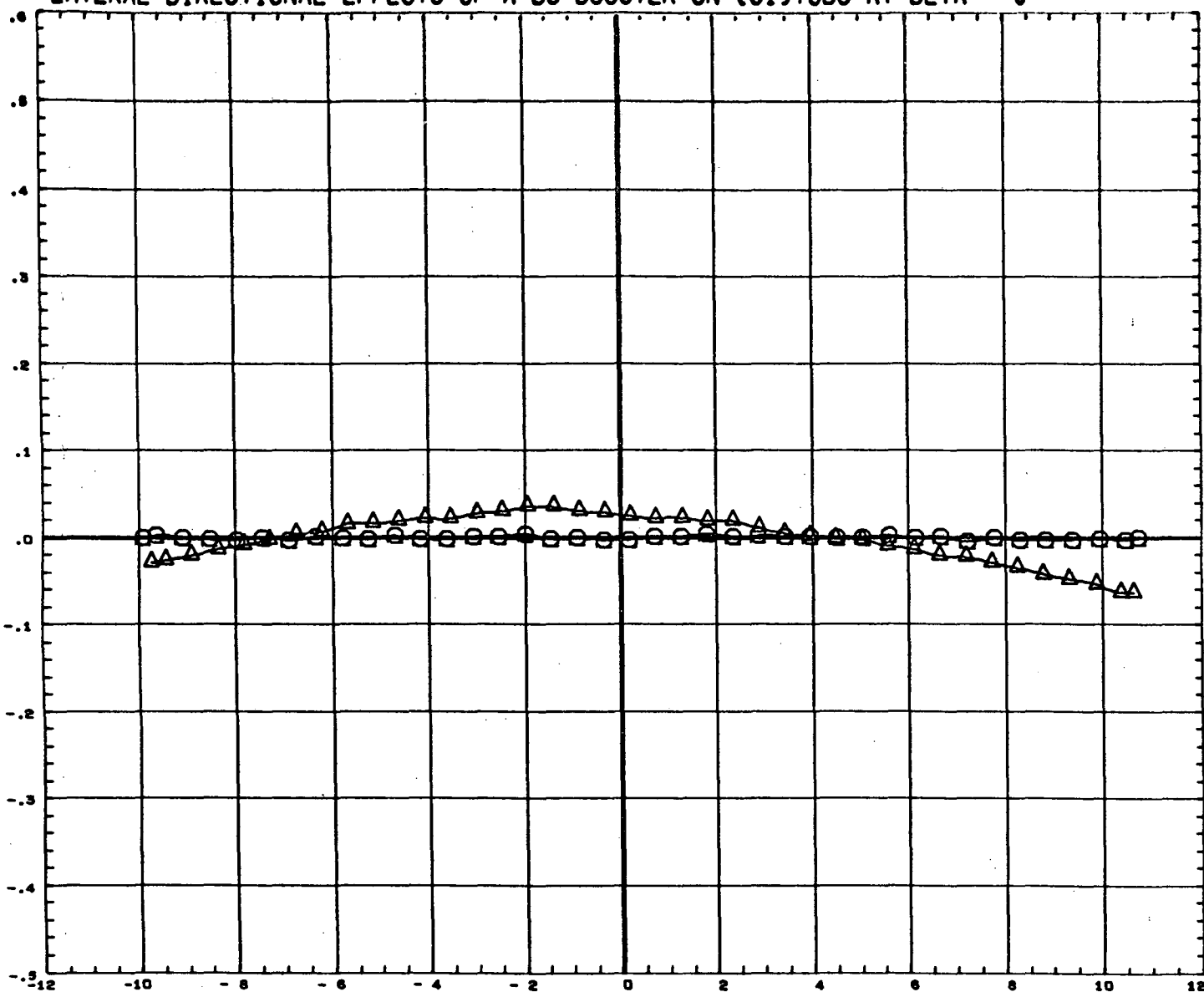
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7491)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ED7488) (0) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (ED7491) (Δ) MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)

BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION

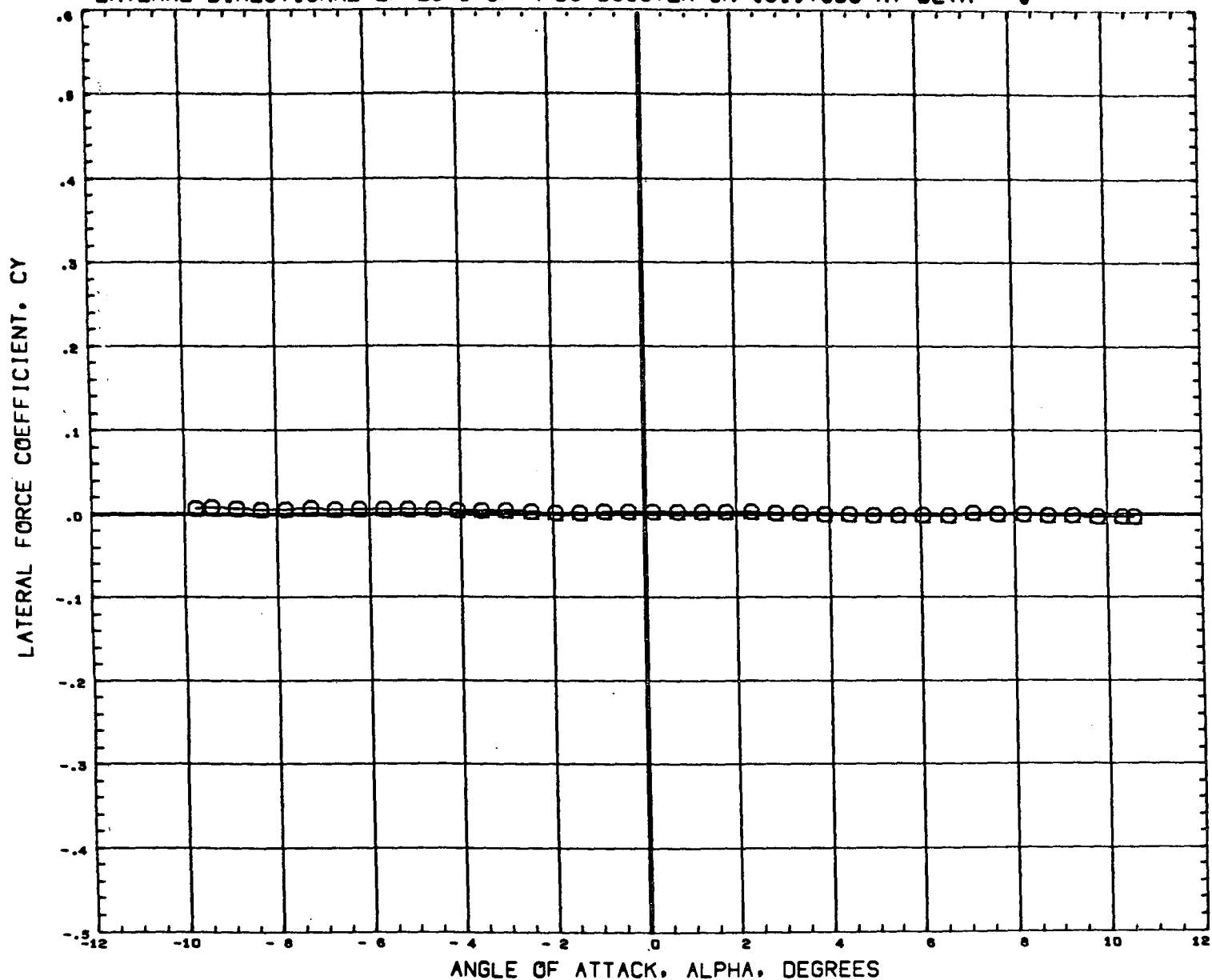
SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH

2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



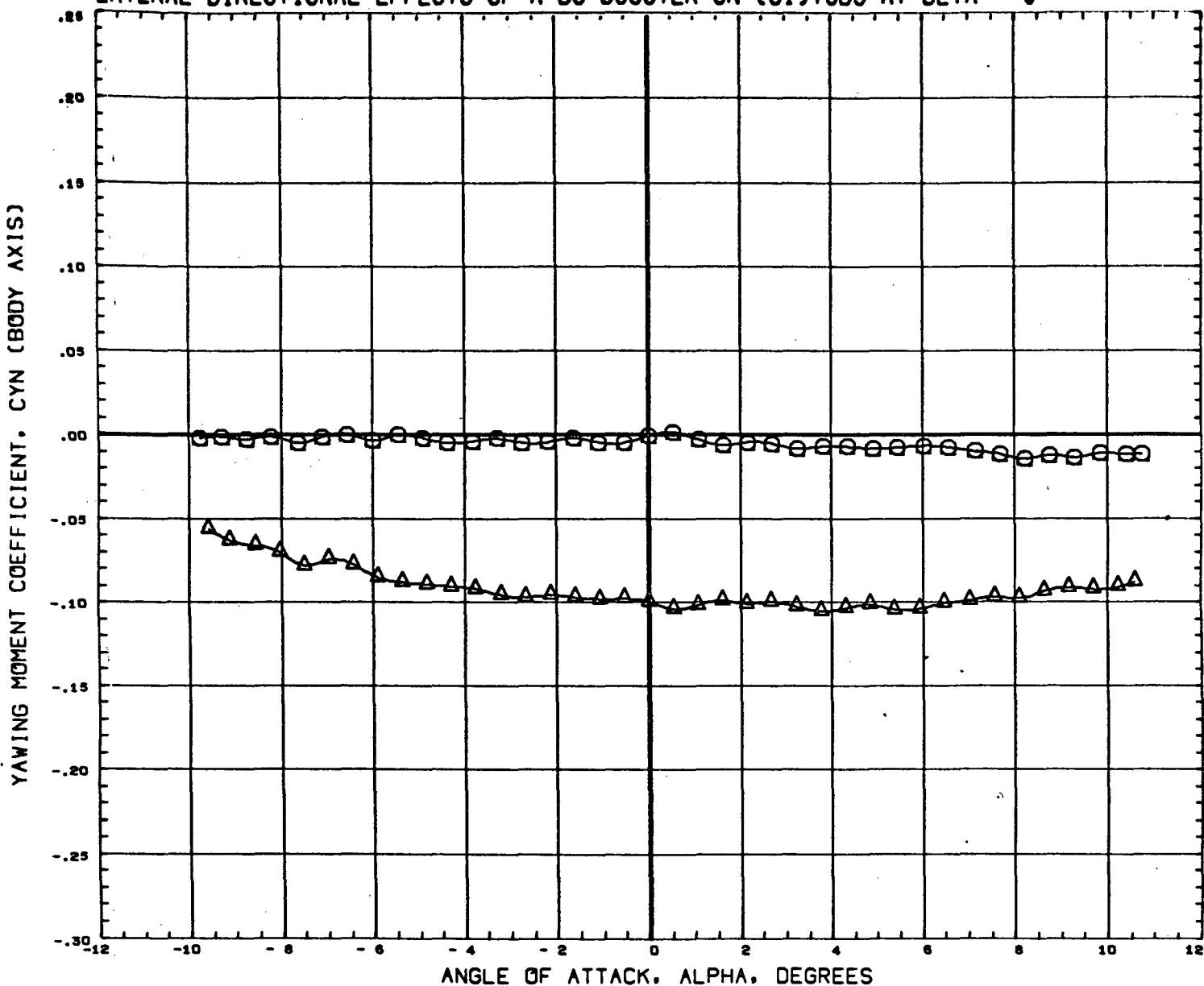
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ED7488) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (ED7491) DATA NOT AVAILABLE FOR ALL CONDITIONS

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

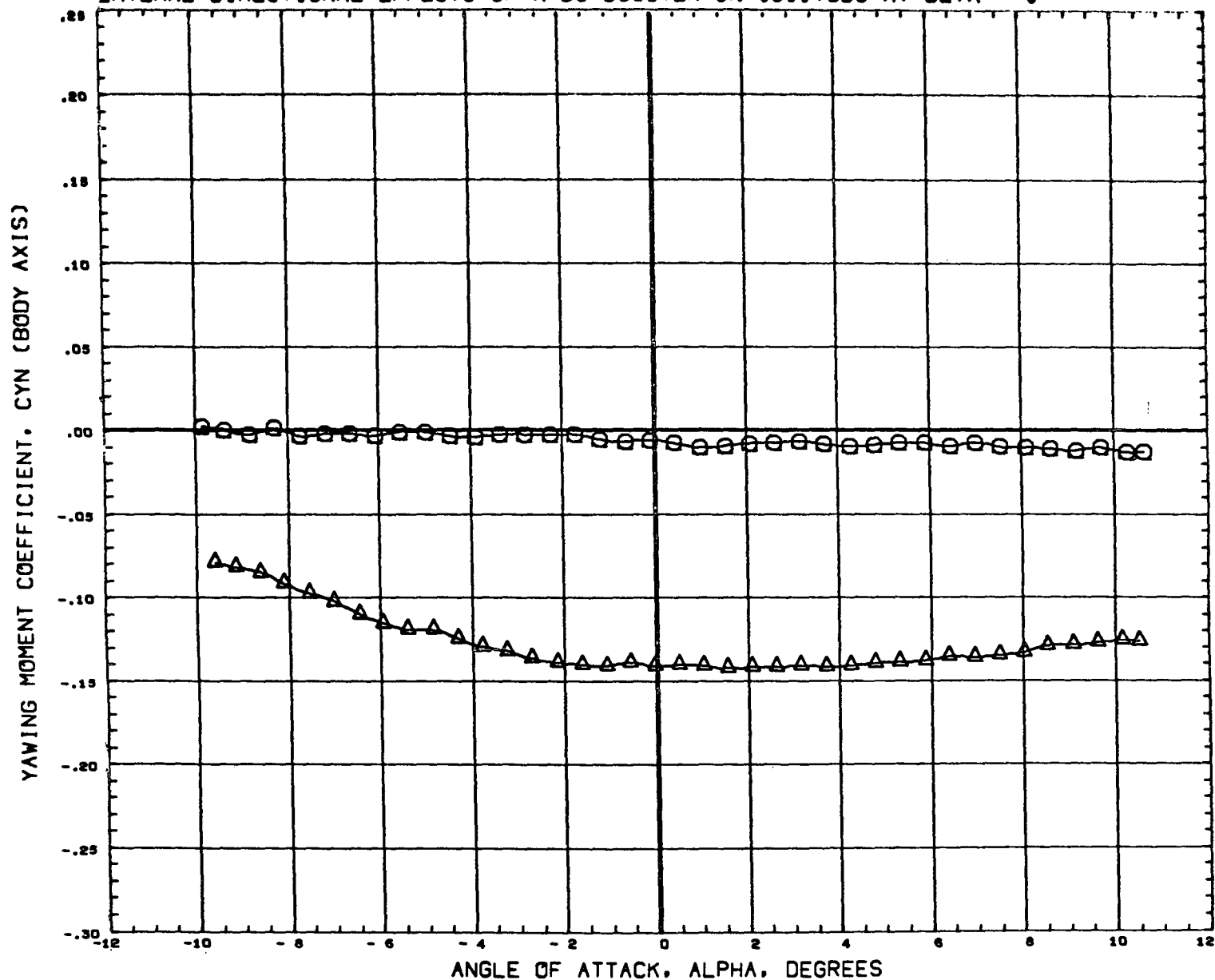


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7488)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7491)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

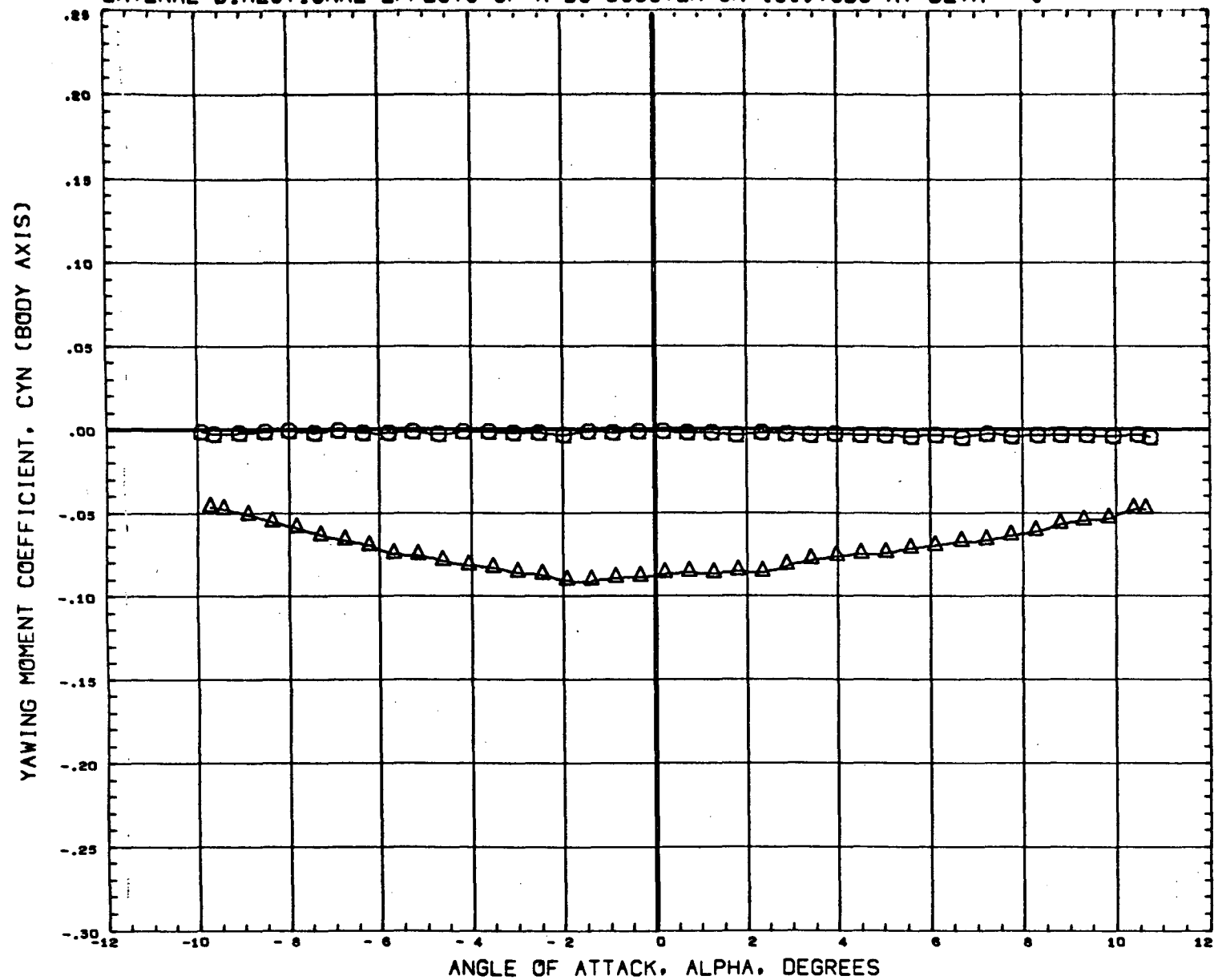
PAGE 245

LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7488)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7491)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	809.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



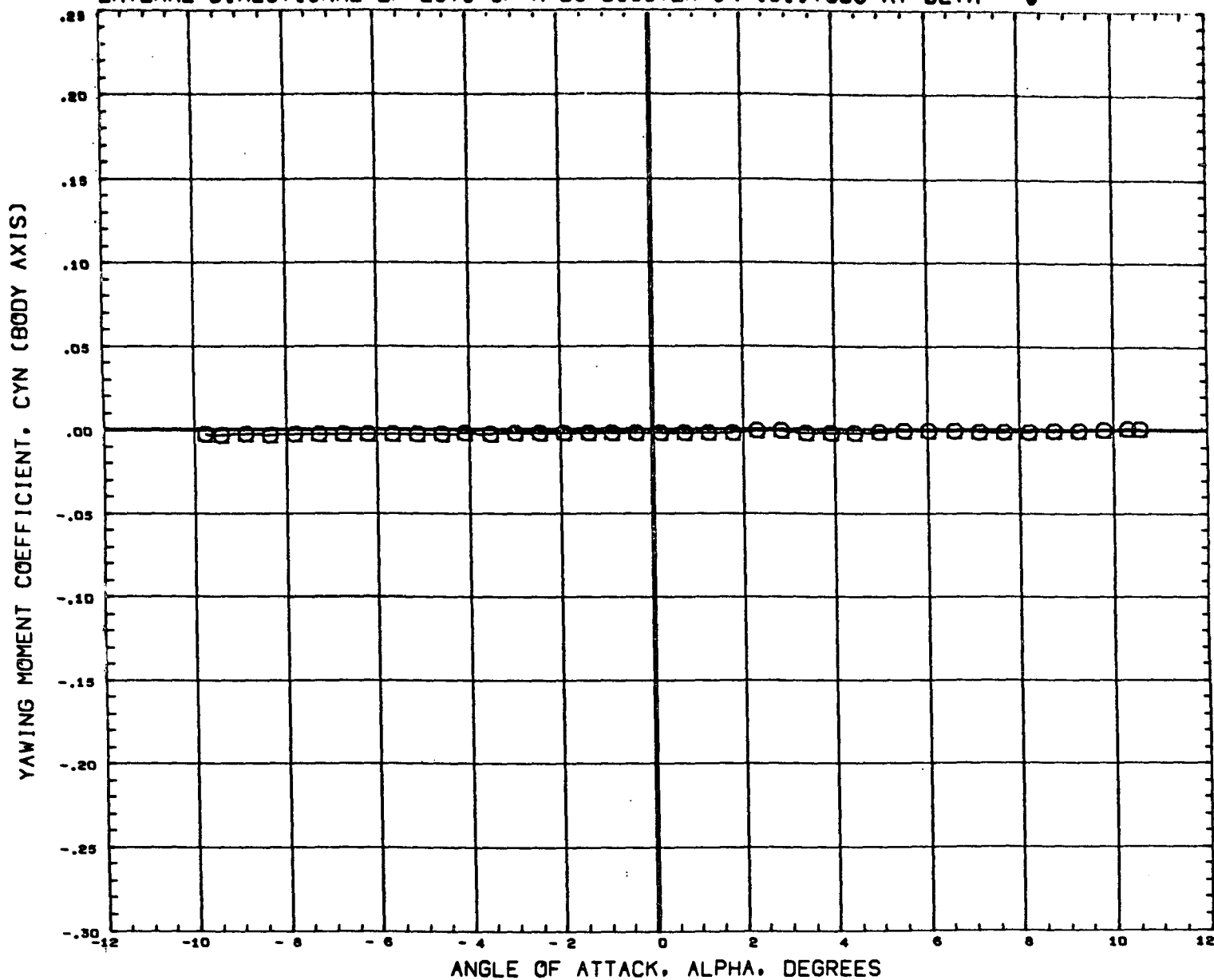
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ED7488)	MDAC S-222 COMPOSITE(T-CG) (01) T3B3
(ED7491)	MDAC S-222 COMPOSITE(T-CG) (01) T3B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 862.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ED7488) MDAC S-222 COMPOSITE(T-CG) (01)T3B3
 (ED7491) DATA NOT AVAILABLE FOR ALL CONDITIONS

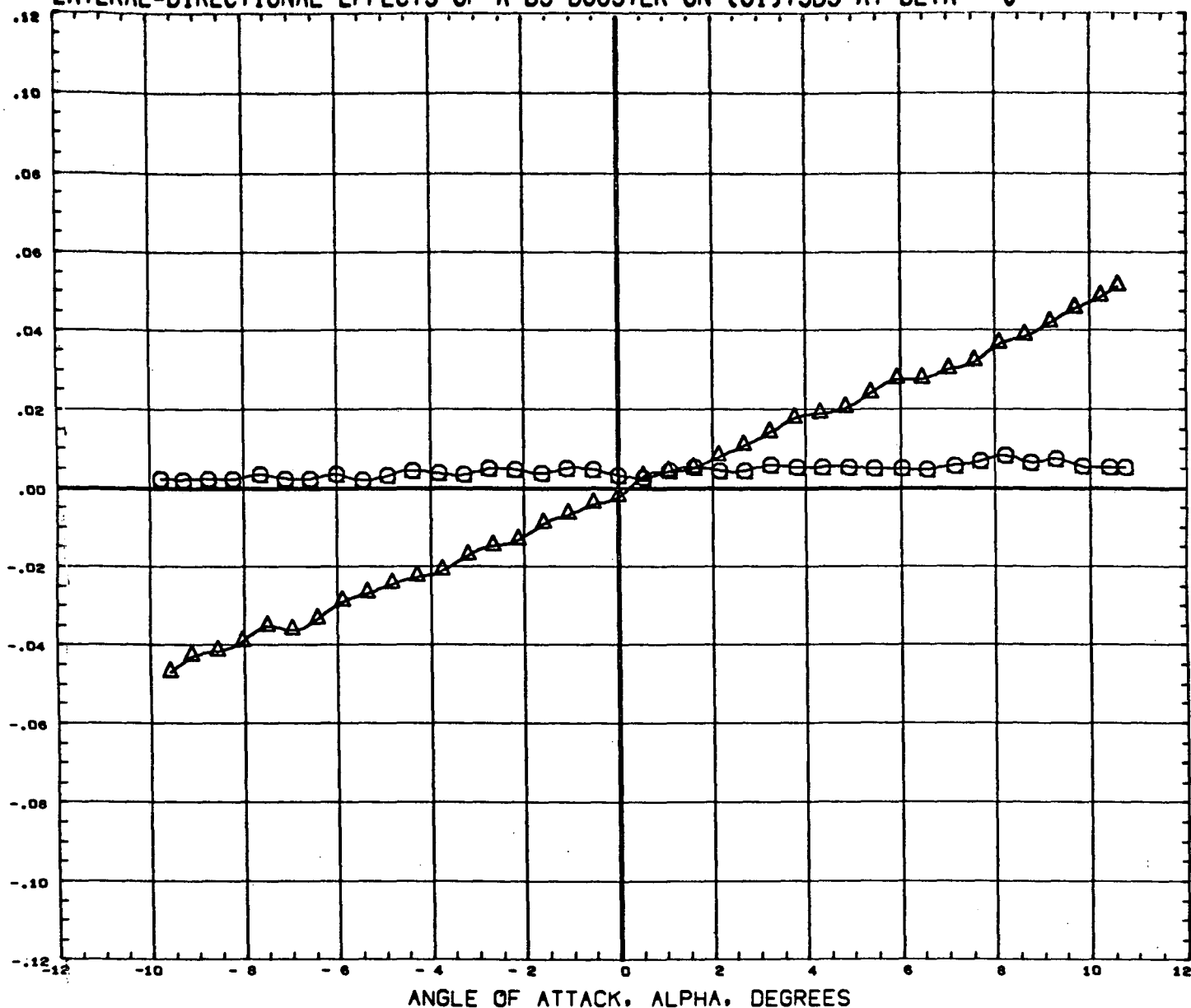
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	537.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



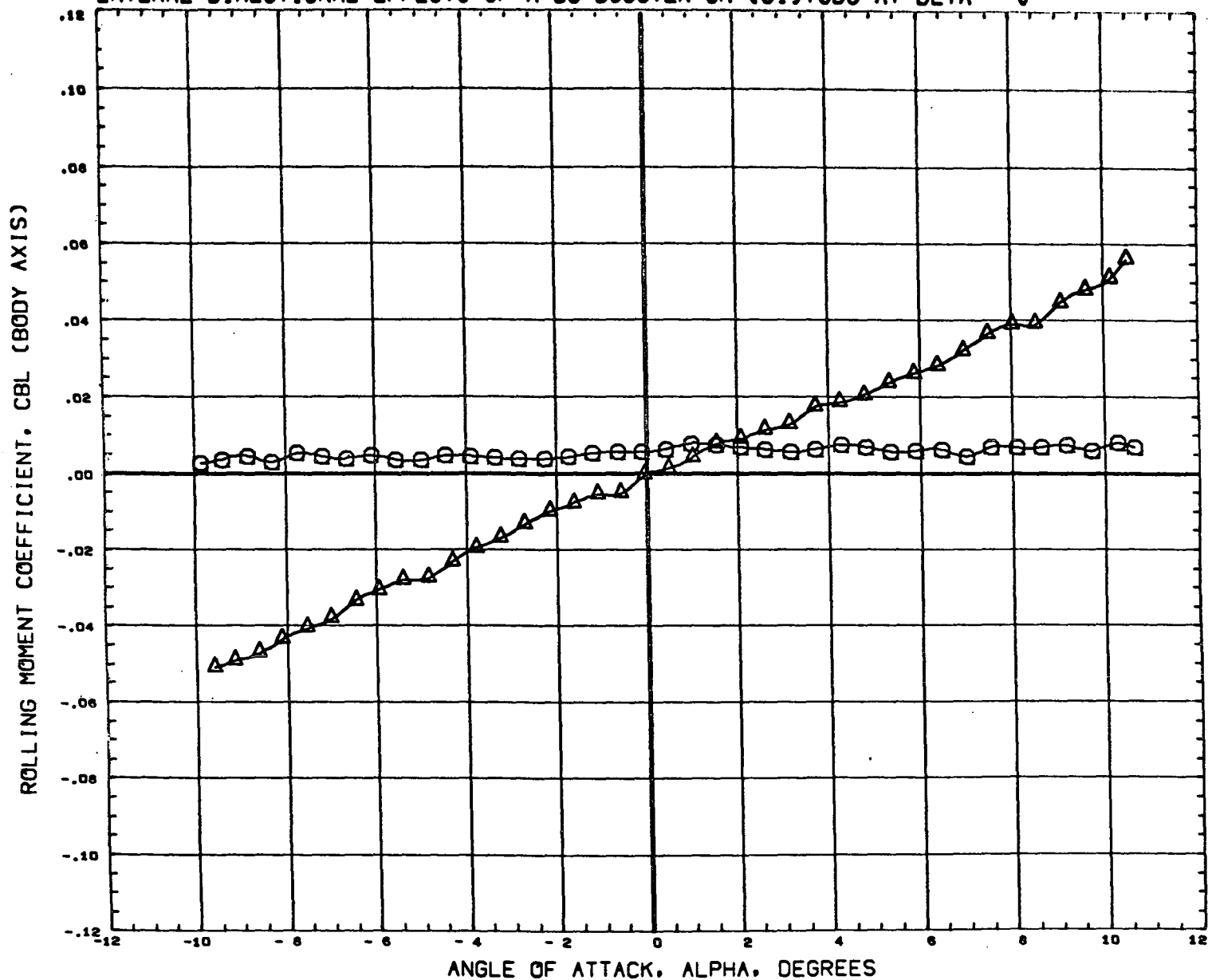
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ED7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3
(ED7491)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 0

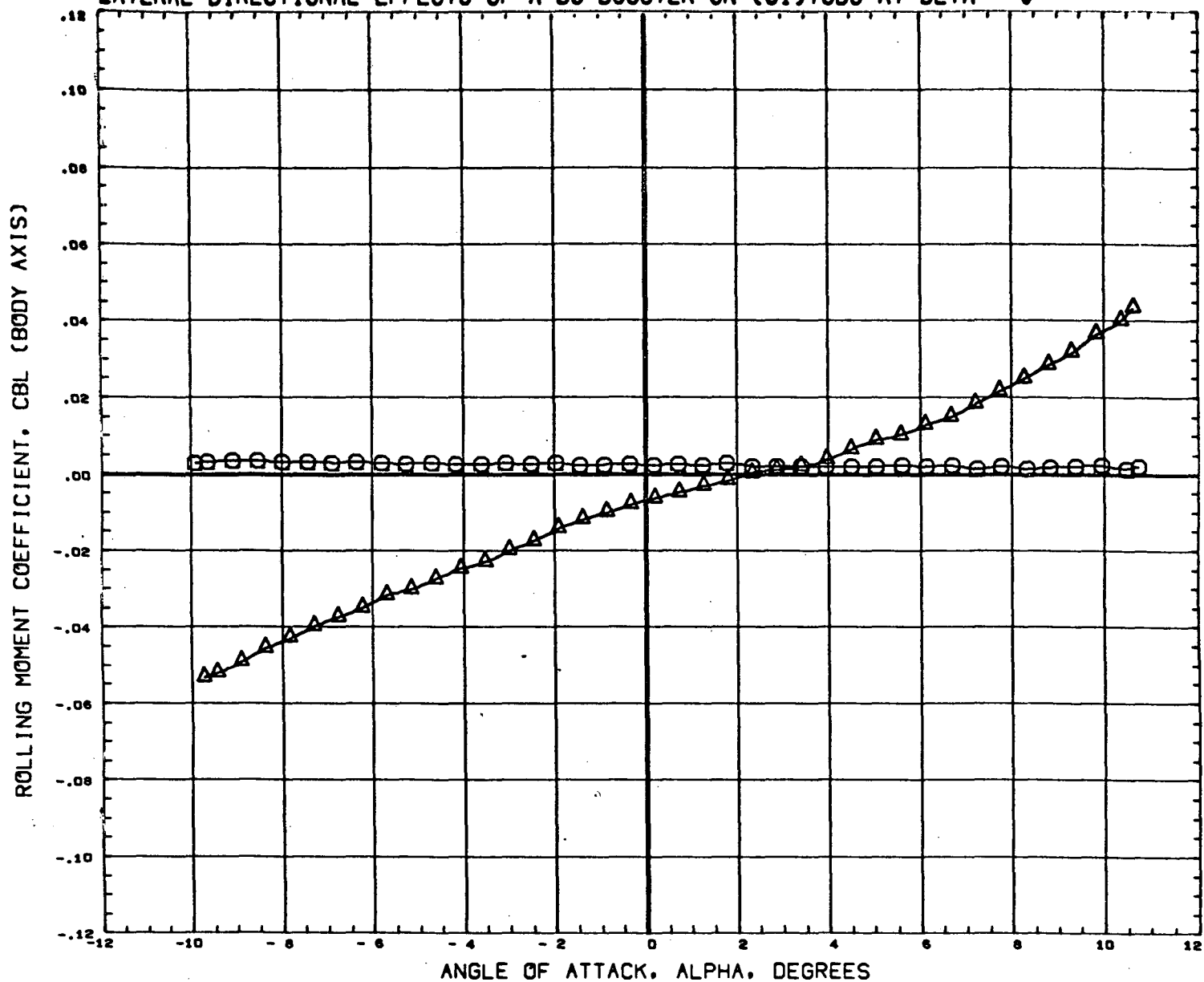


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7488)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7491)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0

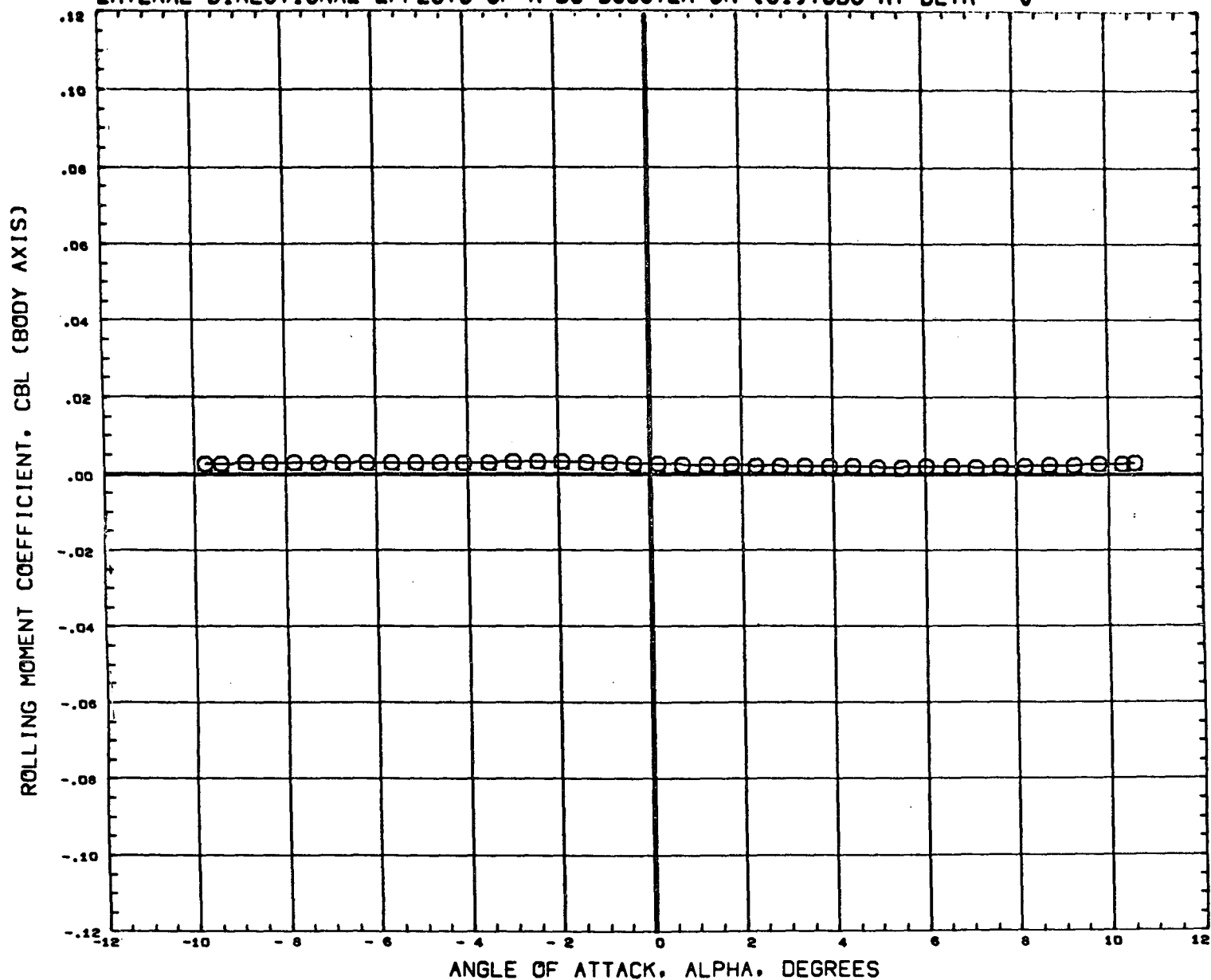


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 Sq.Ft.
(ED7491)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ED7488) Q MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (ED7491) A DATA NOT AVAILABLE FOR ALL CONDITIONS

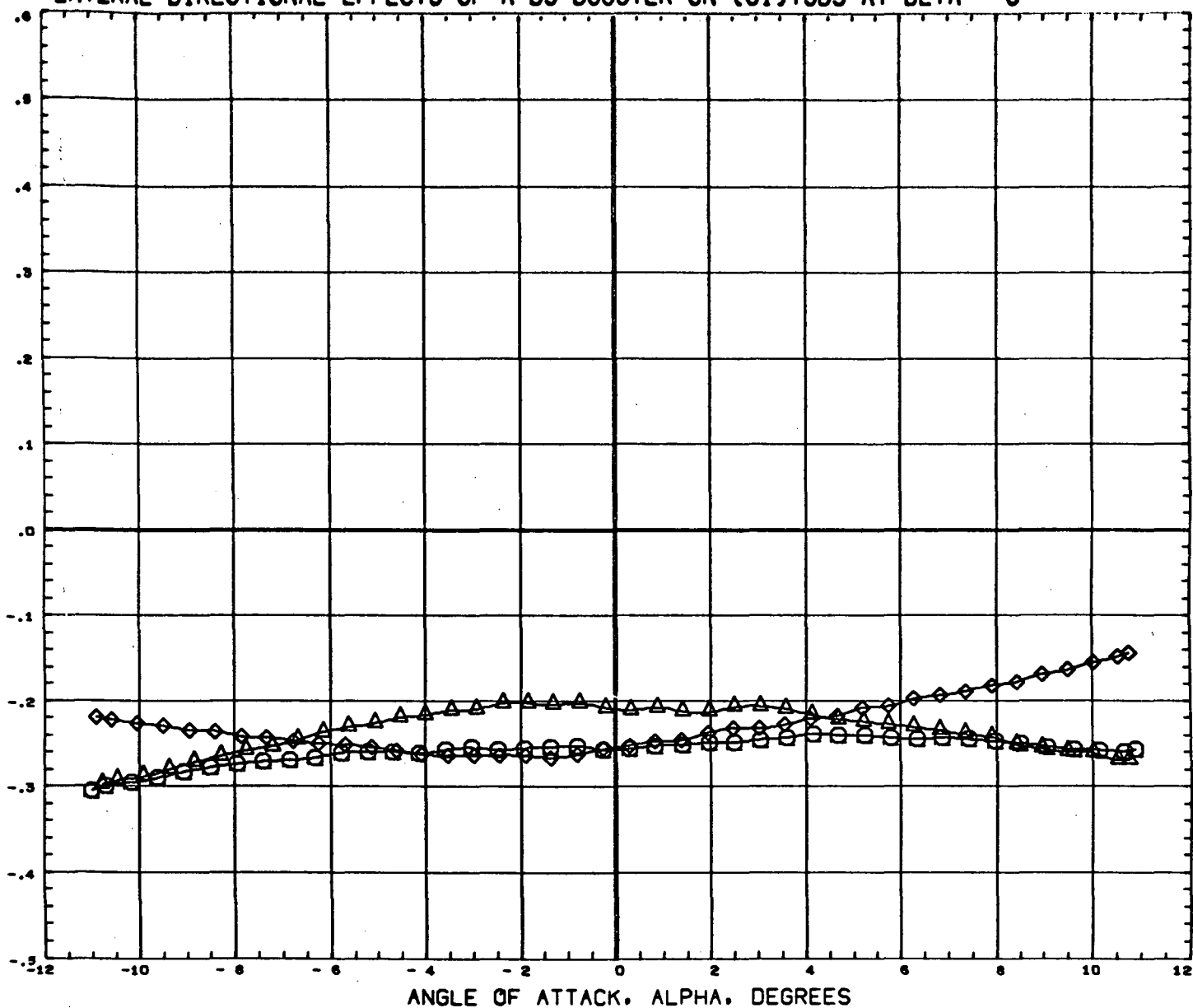
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 6

LATERAL FORCE COEFFICIENT, CY

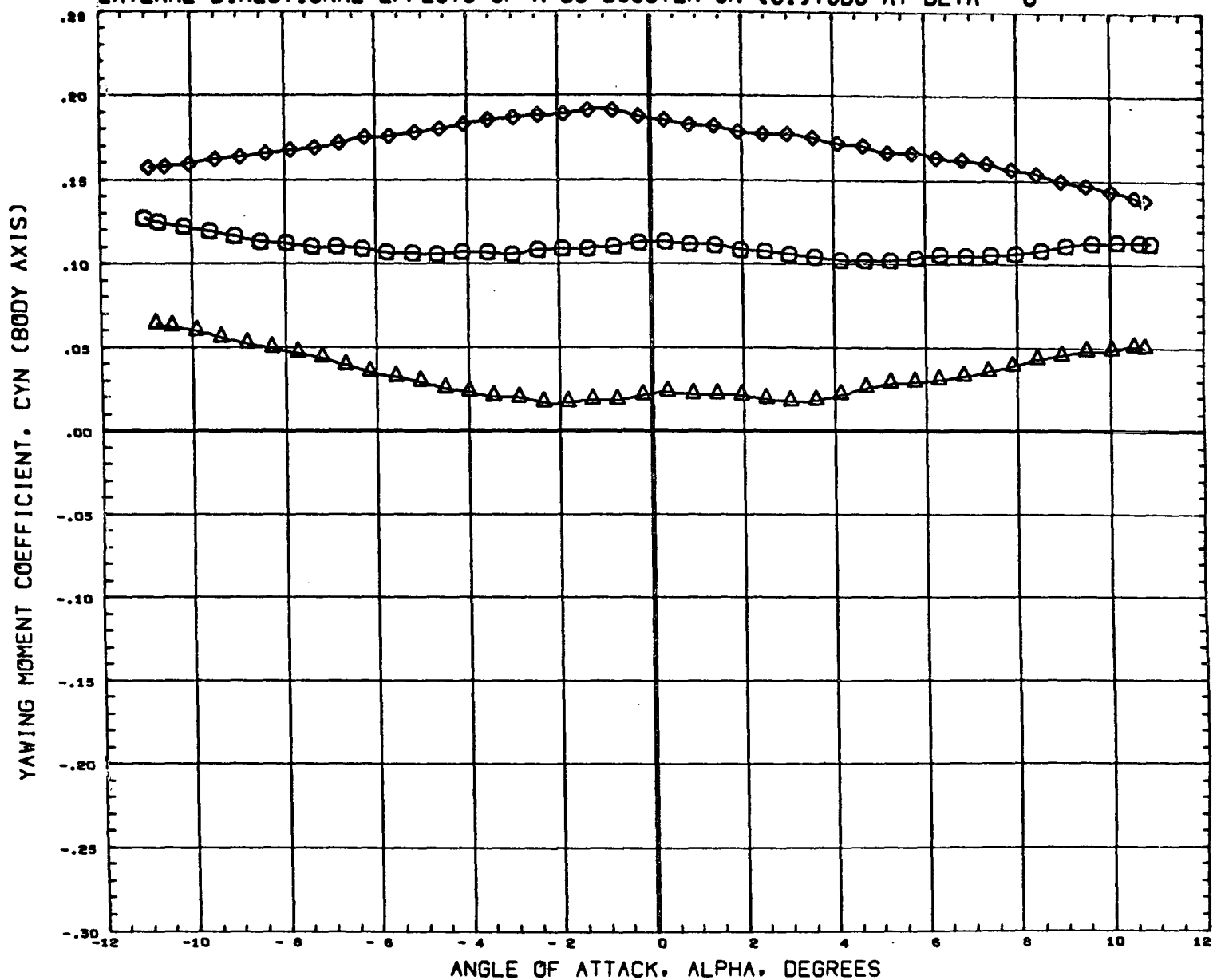


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7490)	MDAC S-222 COMPOSITE (T-C6) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7493)	MDAC S-222 COMPOSITE (T-C6) (O1) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7494)	MDAC S-222 COMPOSITE (T-C6) (O1) T3 (B3L)B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 AT BETA = 6

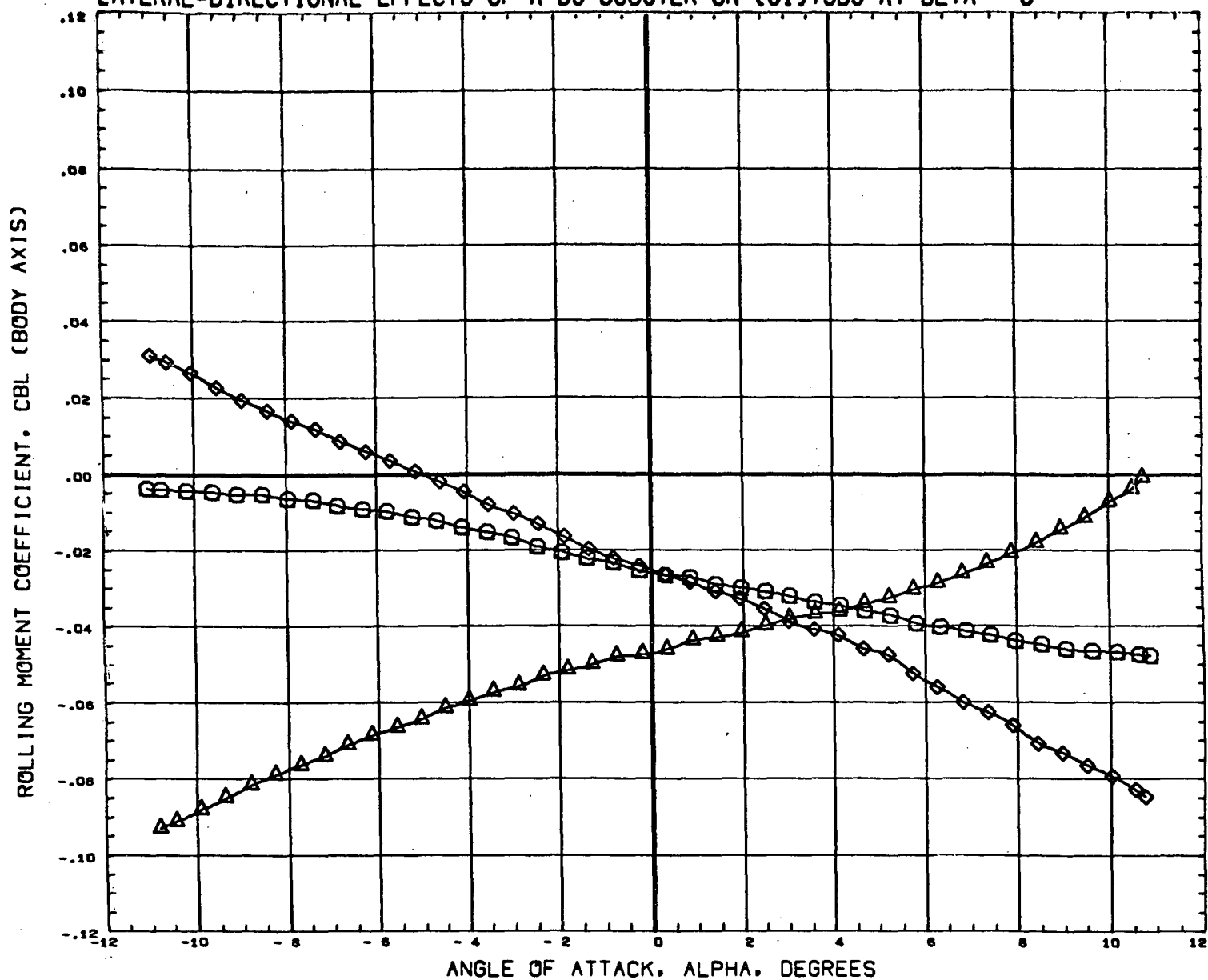


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7490)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7493)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7494)	MDAC S-222 COMPOSITE (T-CG) (O1) T3 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 AT BETA = 6

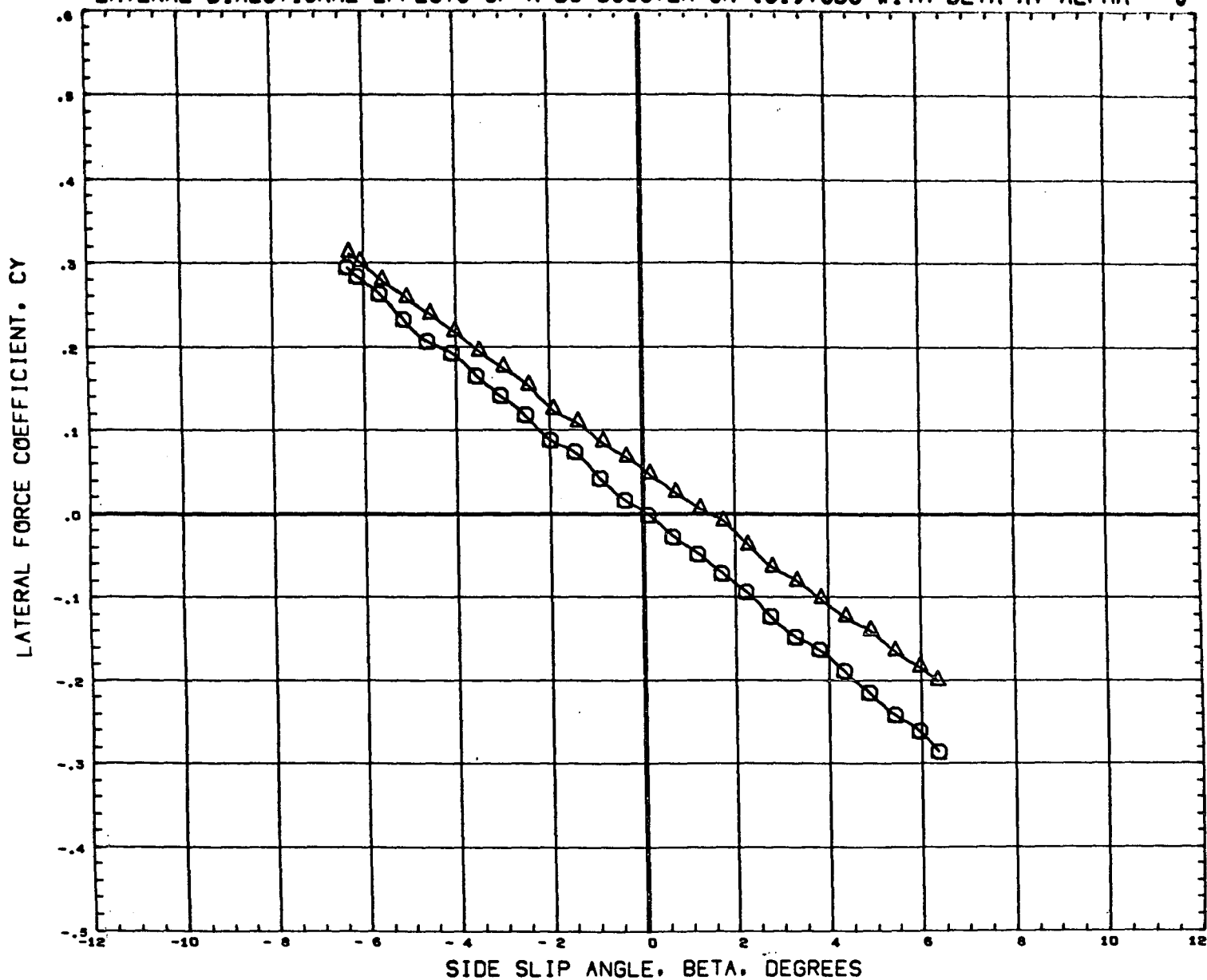


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7490)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7493)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD7494)	MDAC S-222 COMPOSITE (T-CG) (01) T3 (B3L) B3R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0

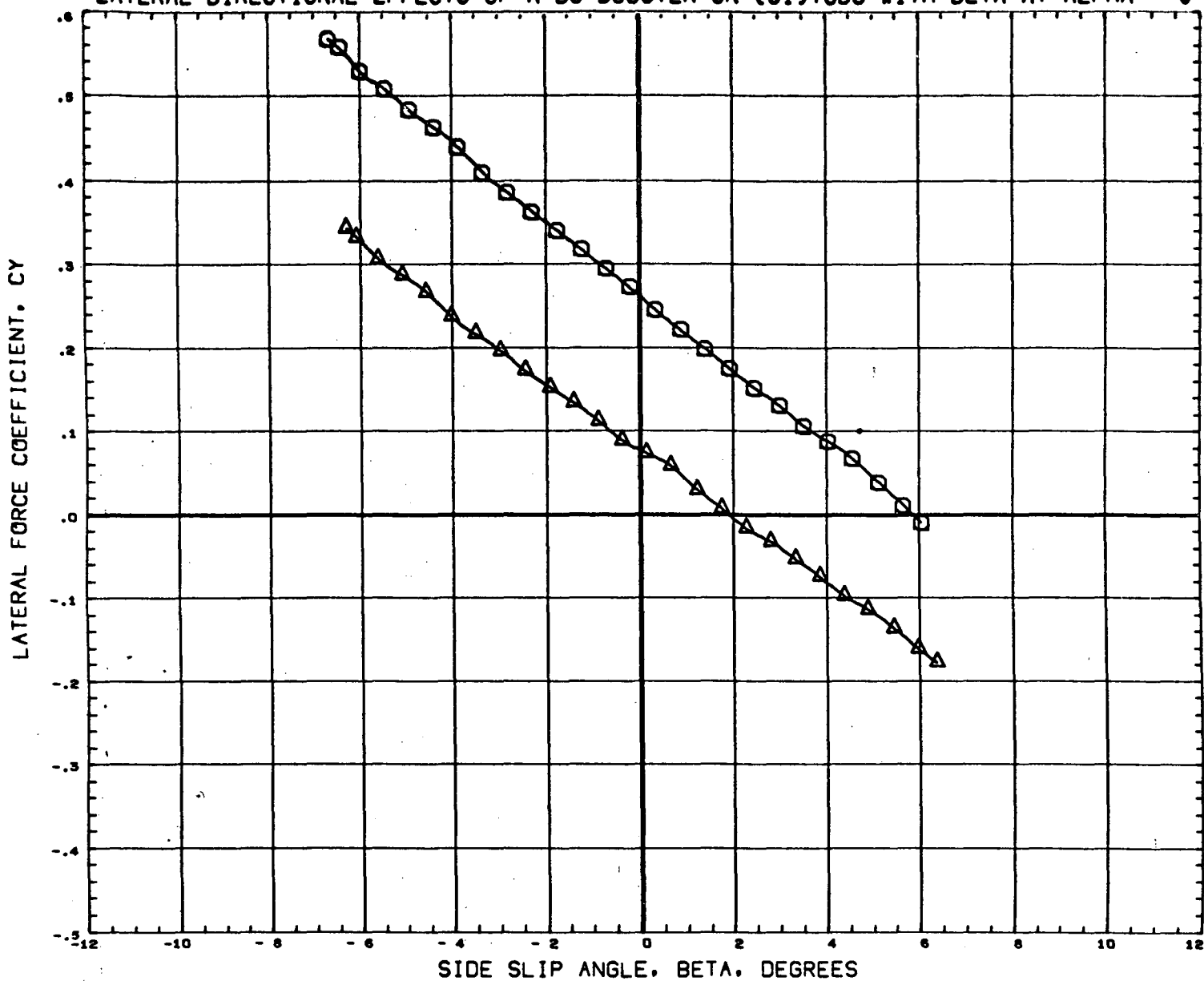


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7492)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0



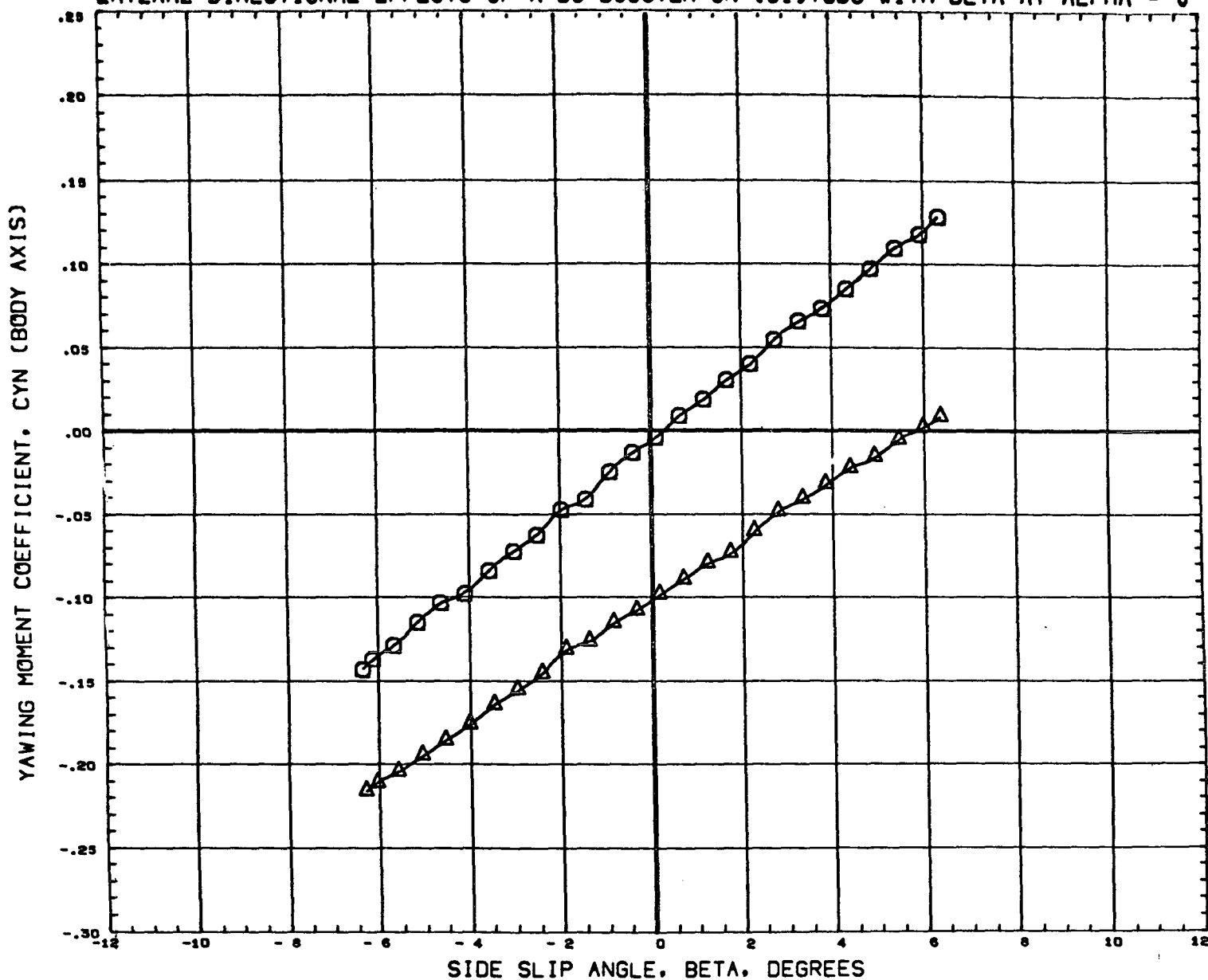
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7489) O	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3
(RD7492) Δ	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.3004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 WITH BETA AT ALPHA = 0

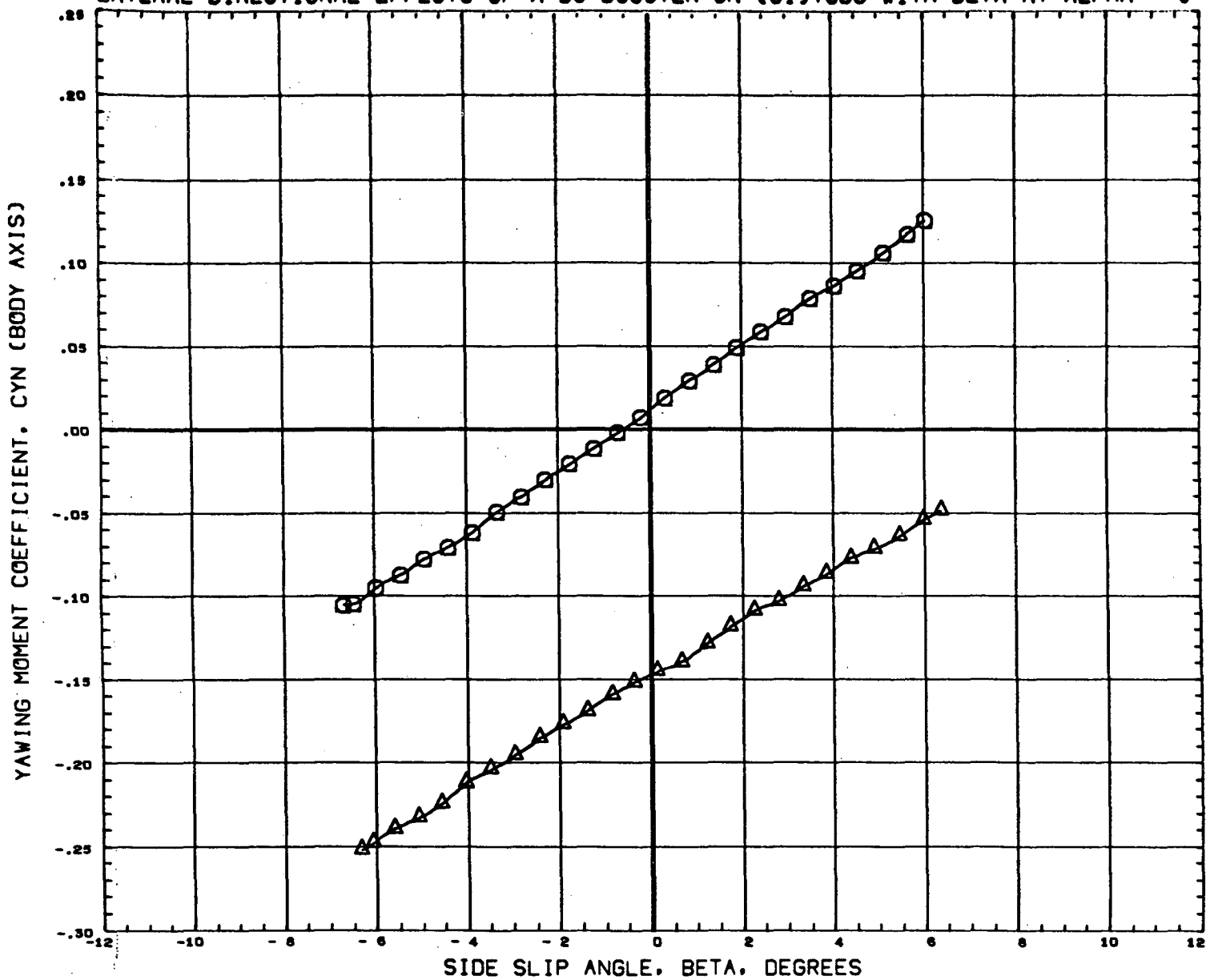


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7492)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 WITH BETA AT ALPHA = 0

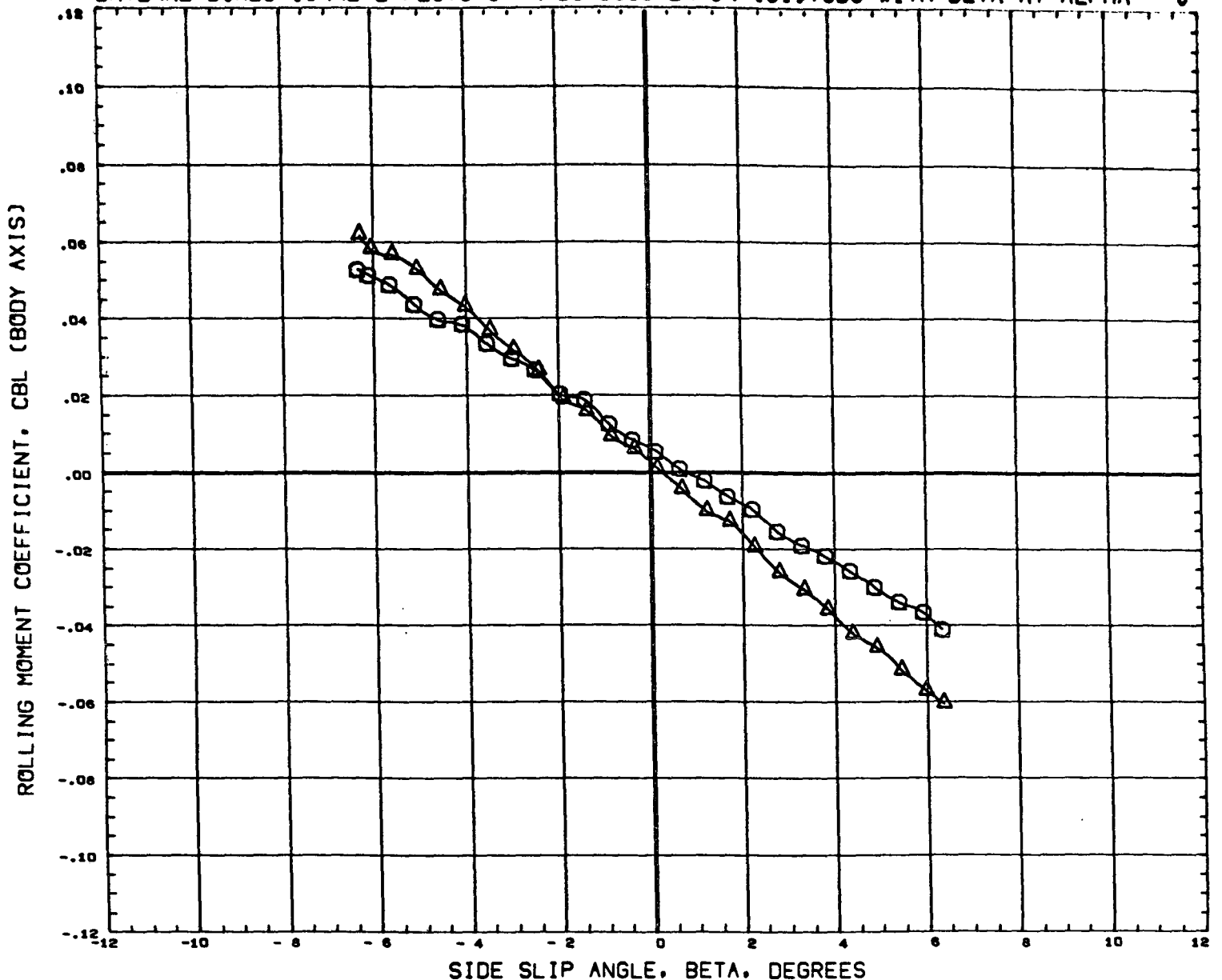


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(R07489)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(R07492)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 WITH BETA AT ALPHA = 0

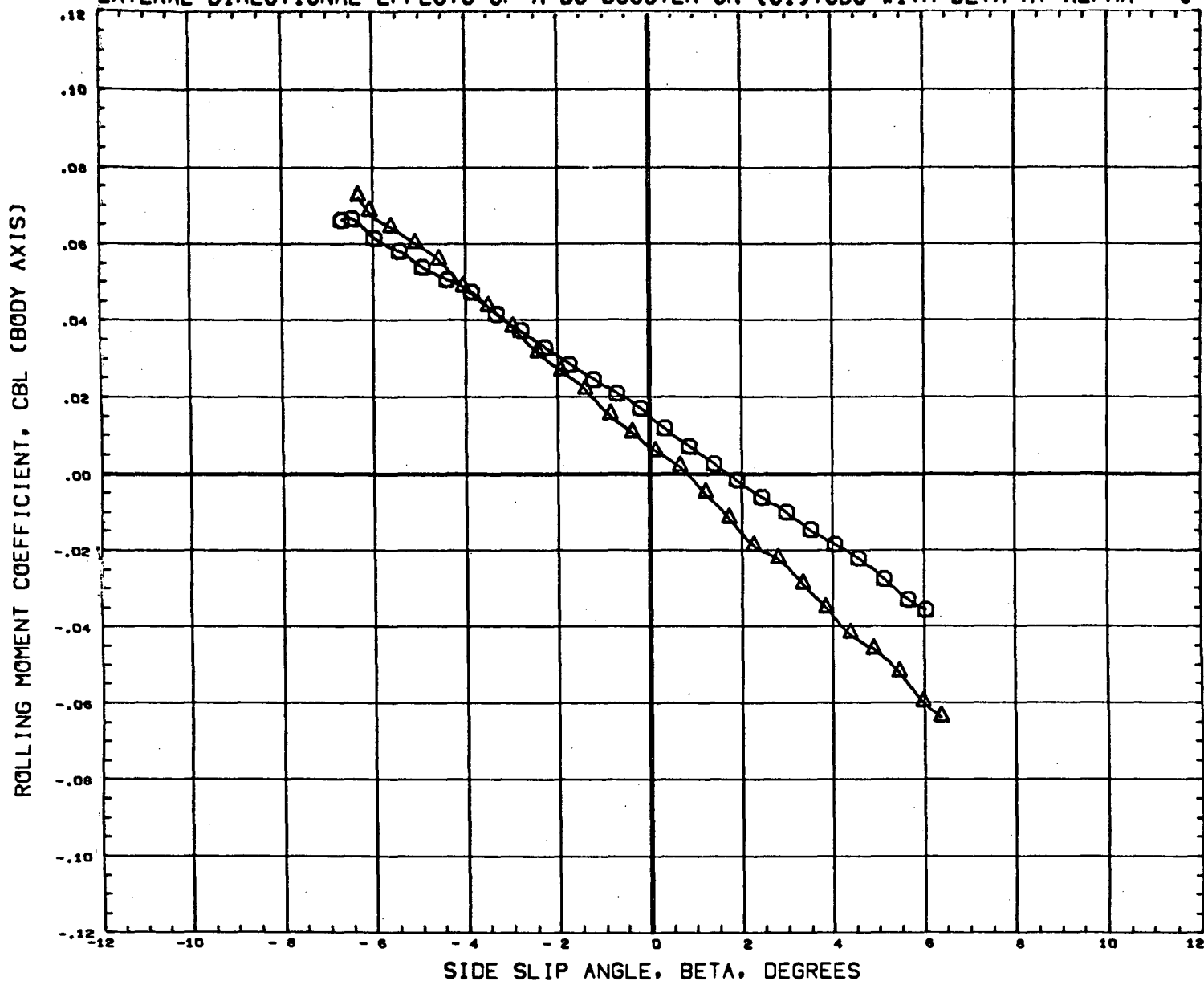


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 Sq.Ft.
(RD7492)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0

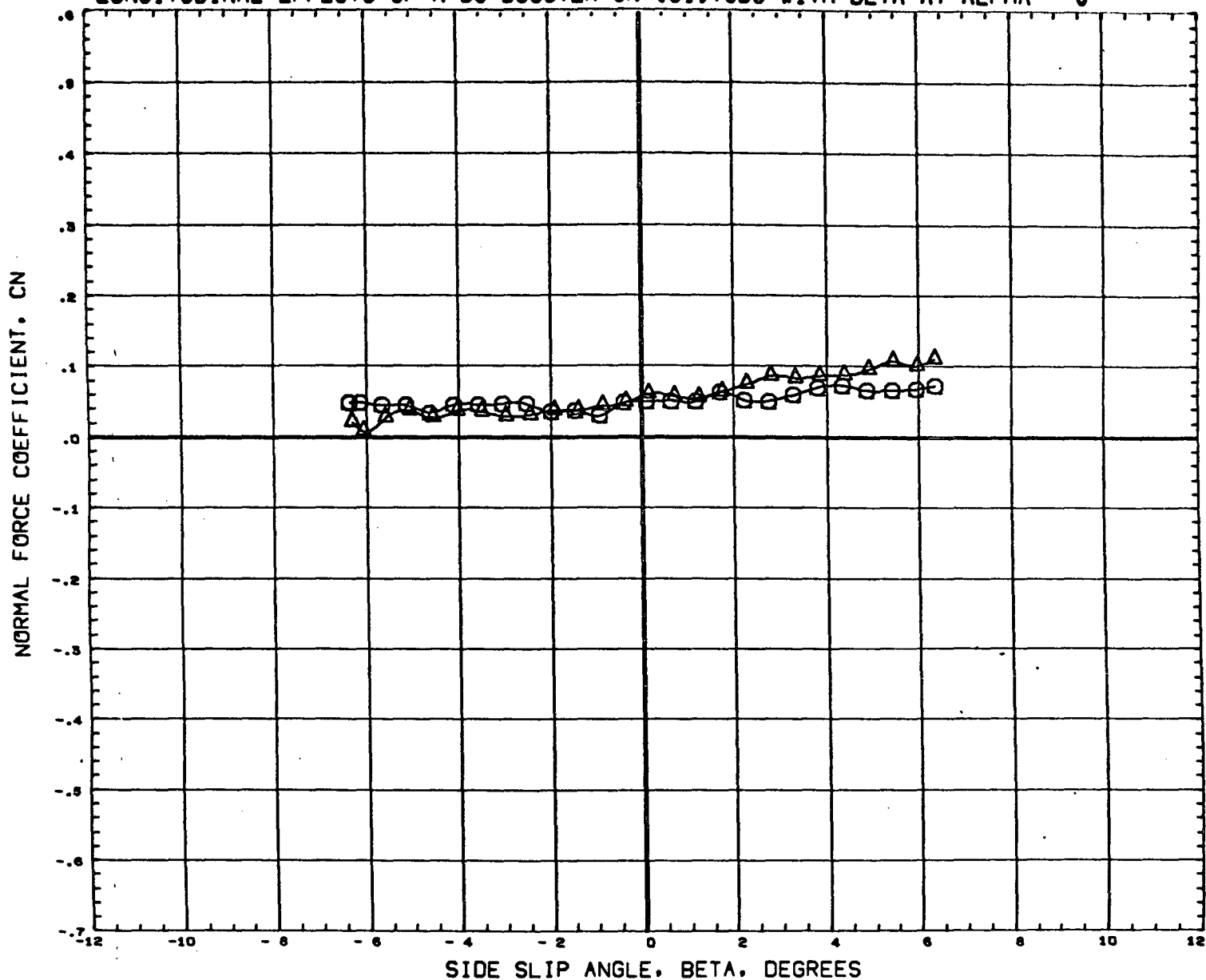


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7492)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 WITH BETA AT ALPHA = 0

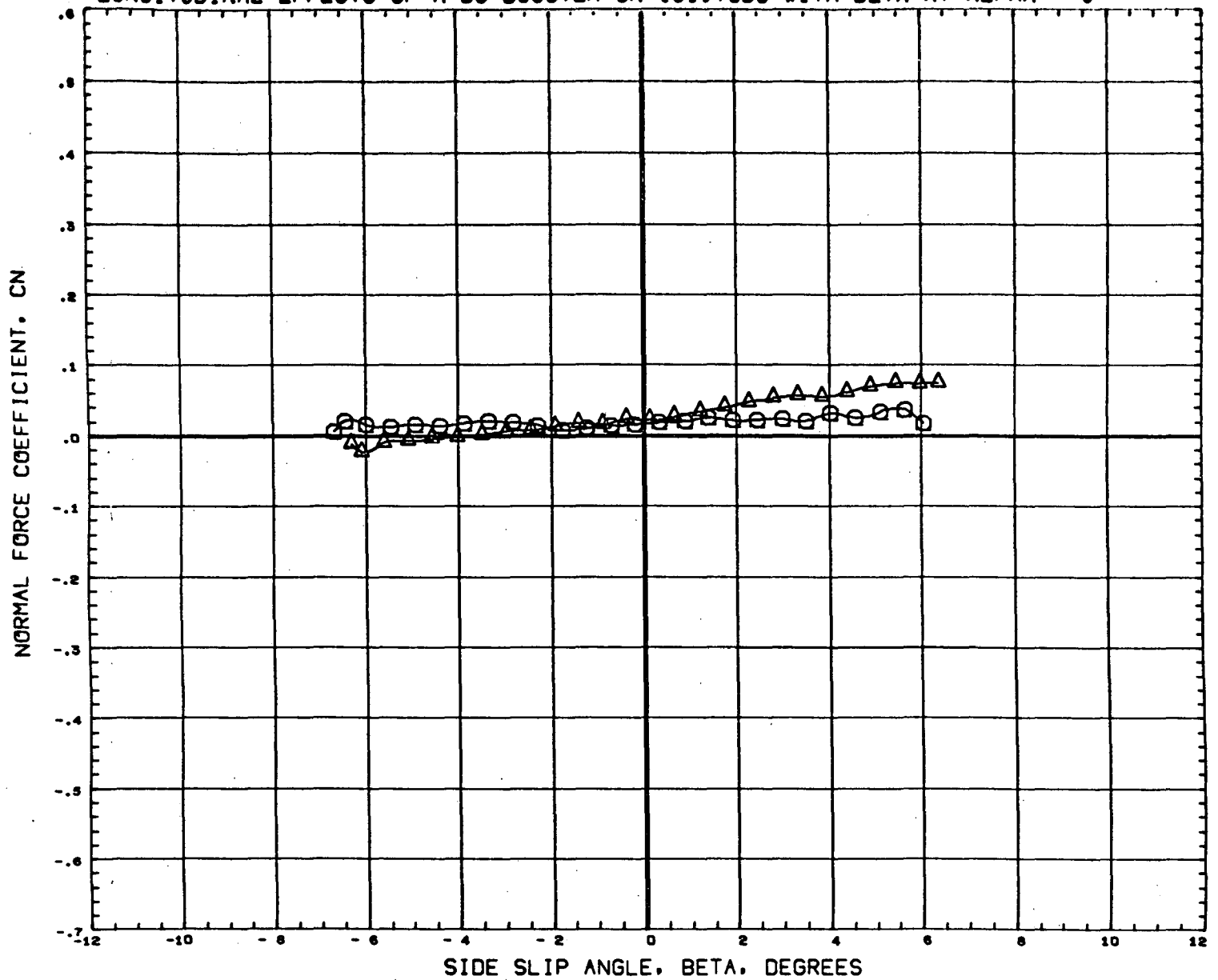


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0

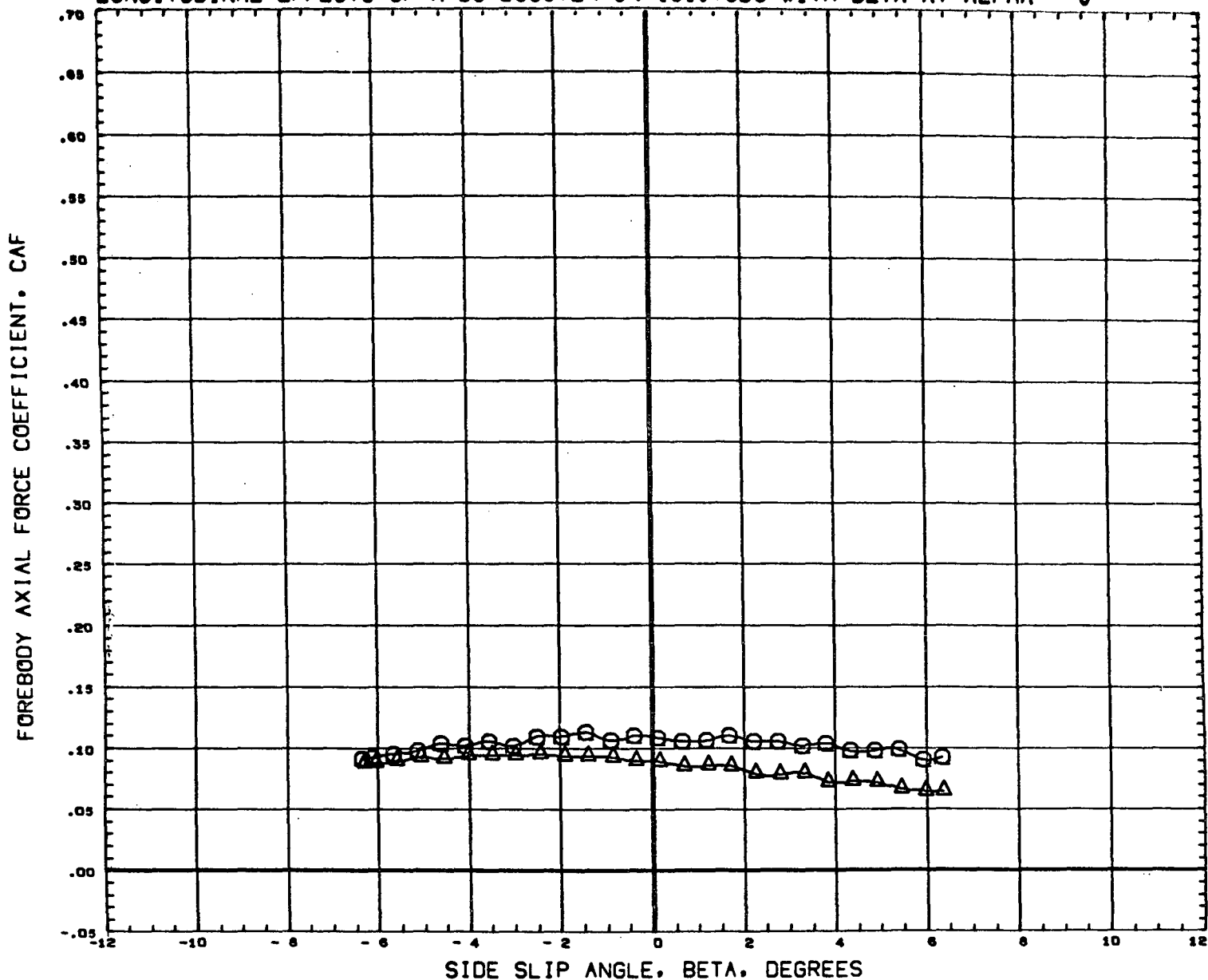


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0



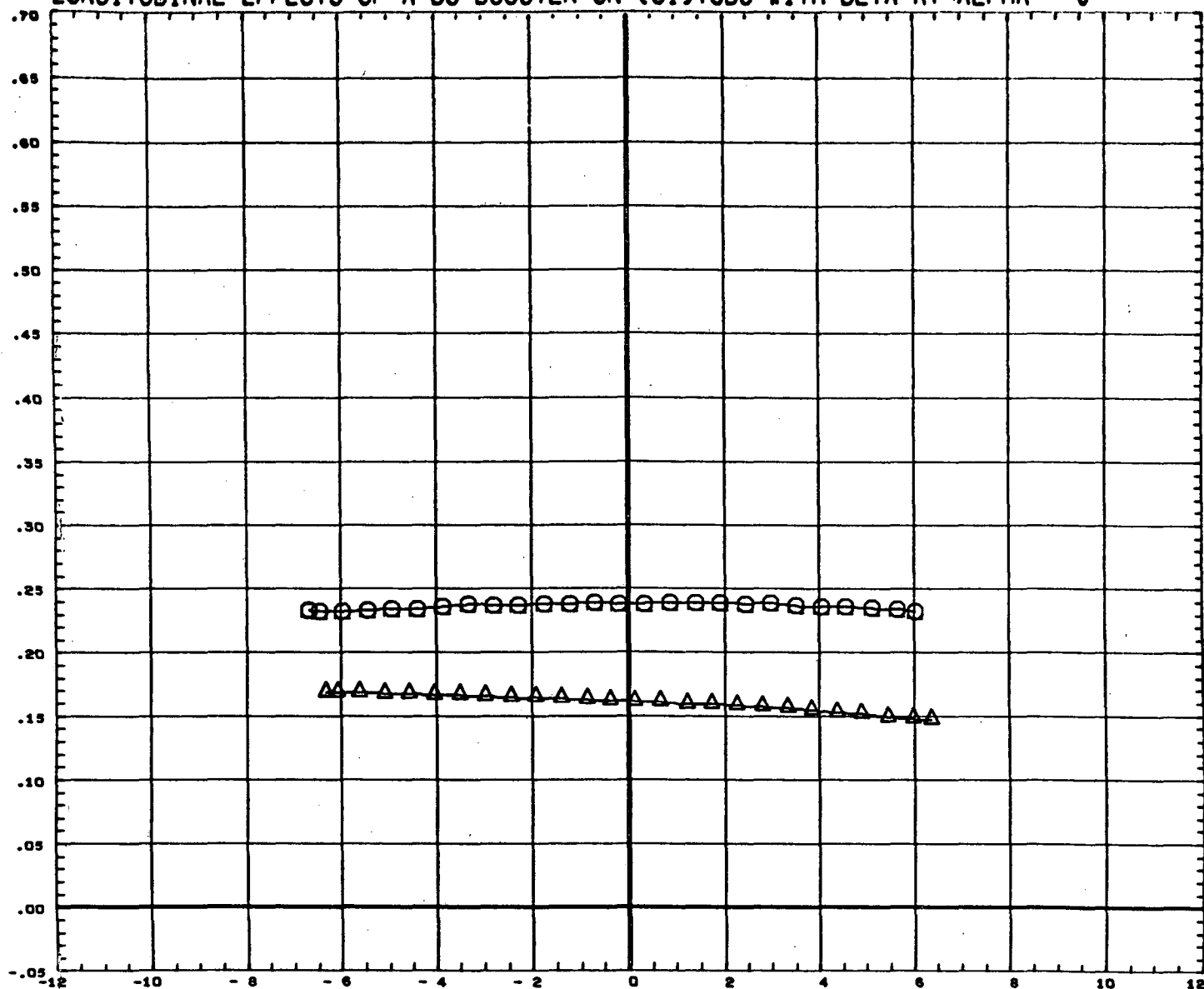
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



SIDE SLIP ANGLE, BETA, DEGREES

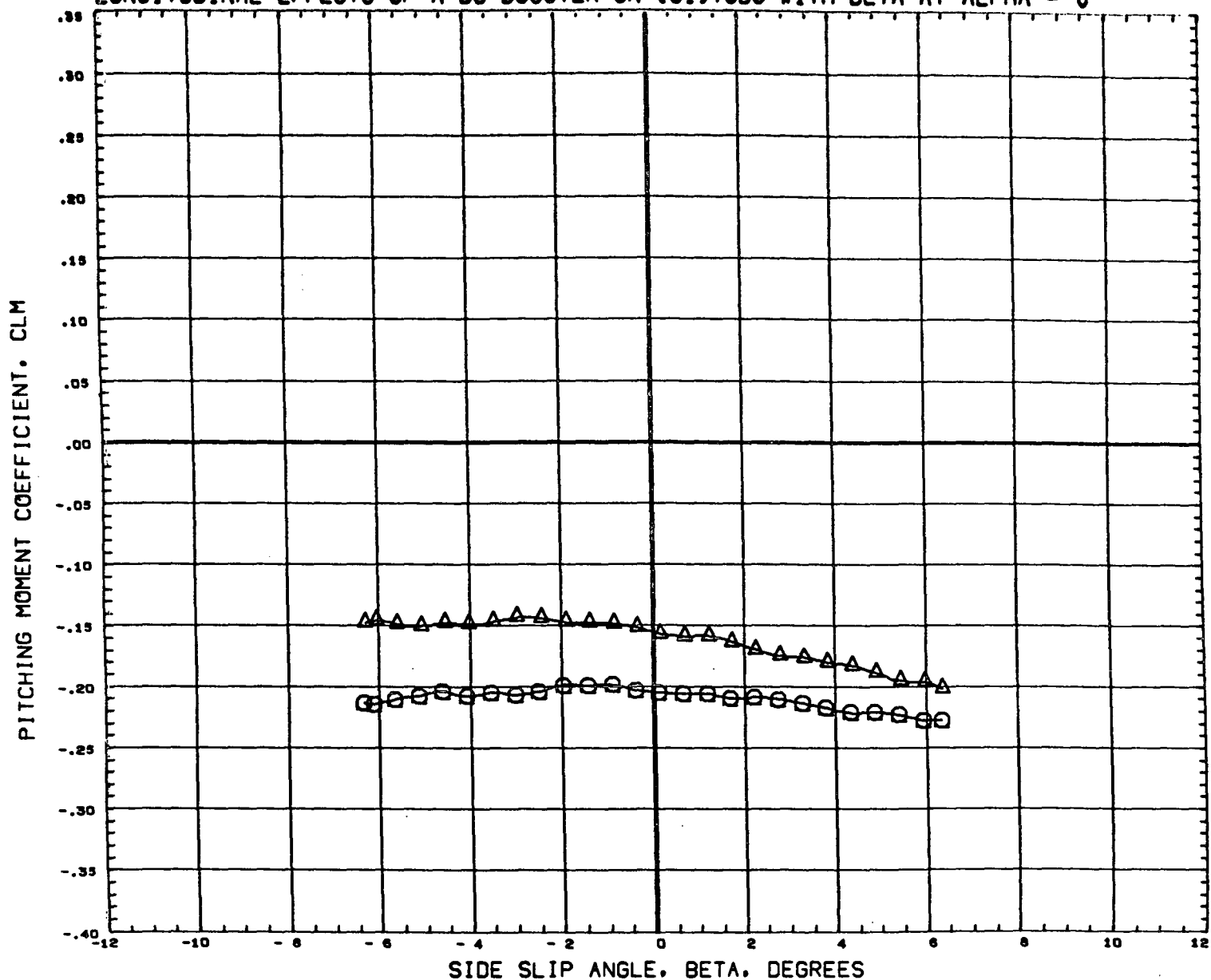
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07489)	Q	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07492)	A	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRP	537.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH

1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0

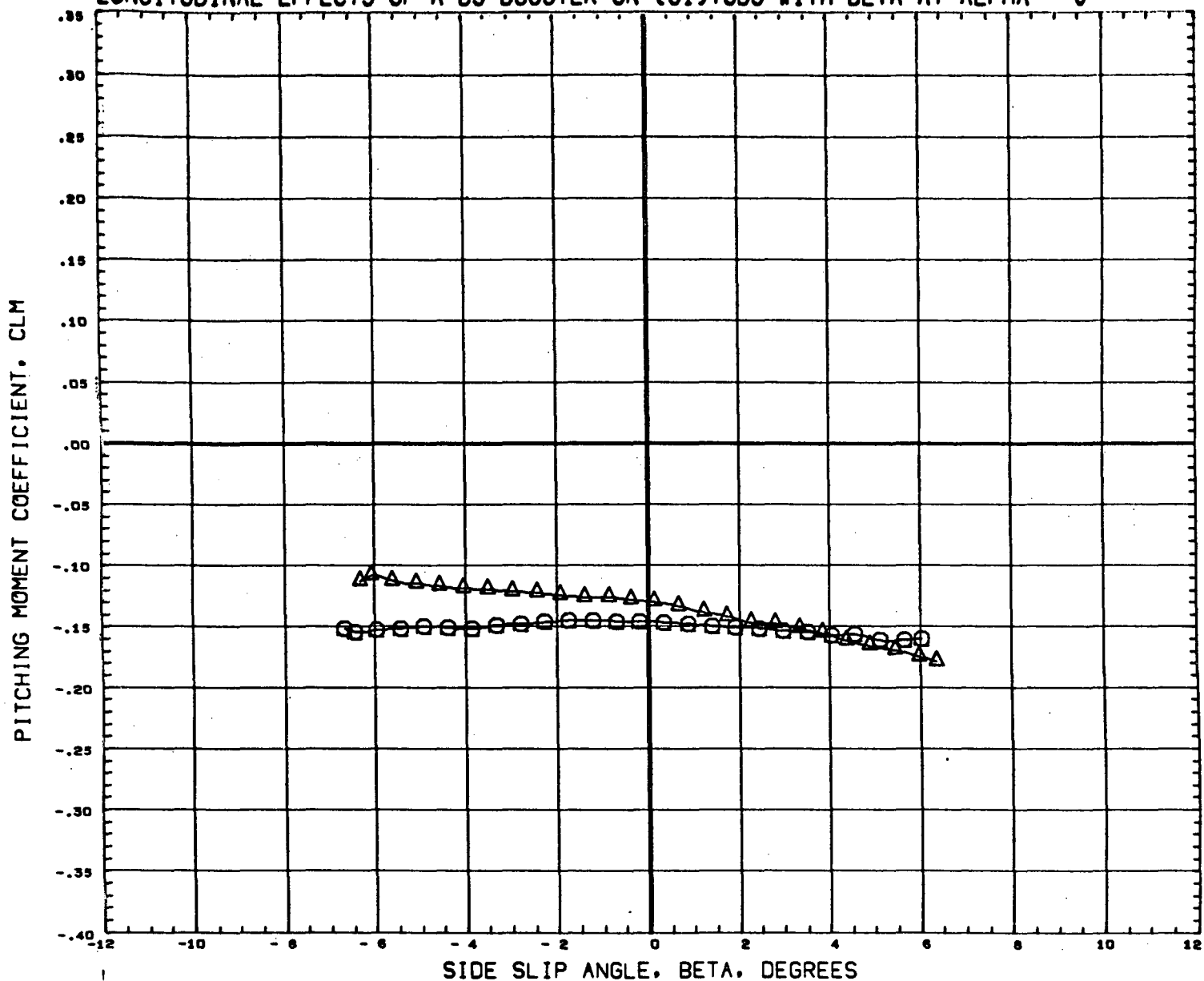


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MAQH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0

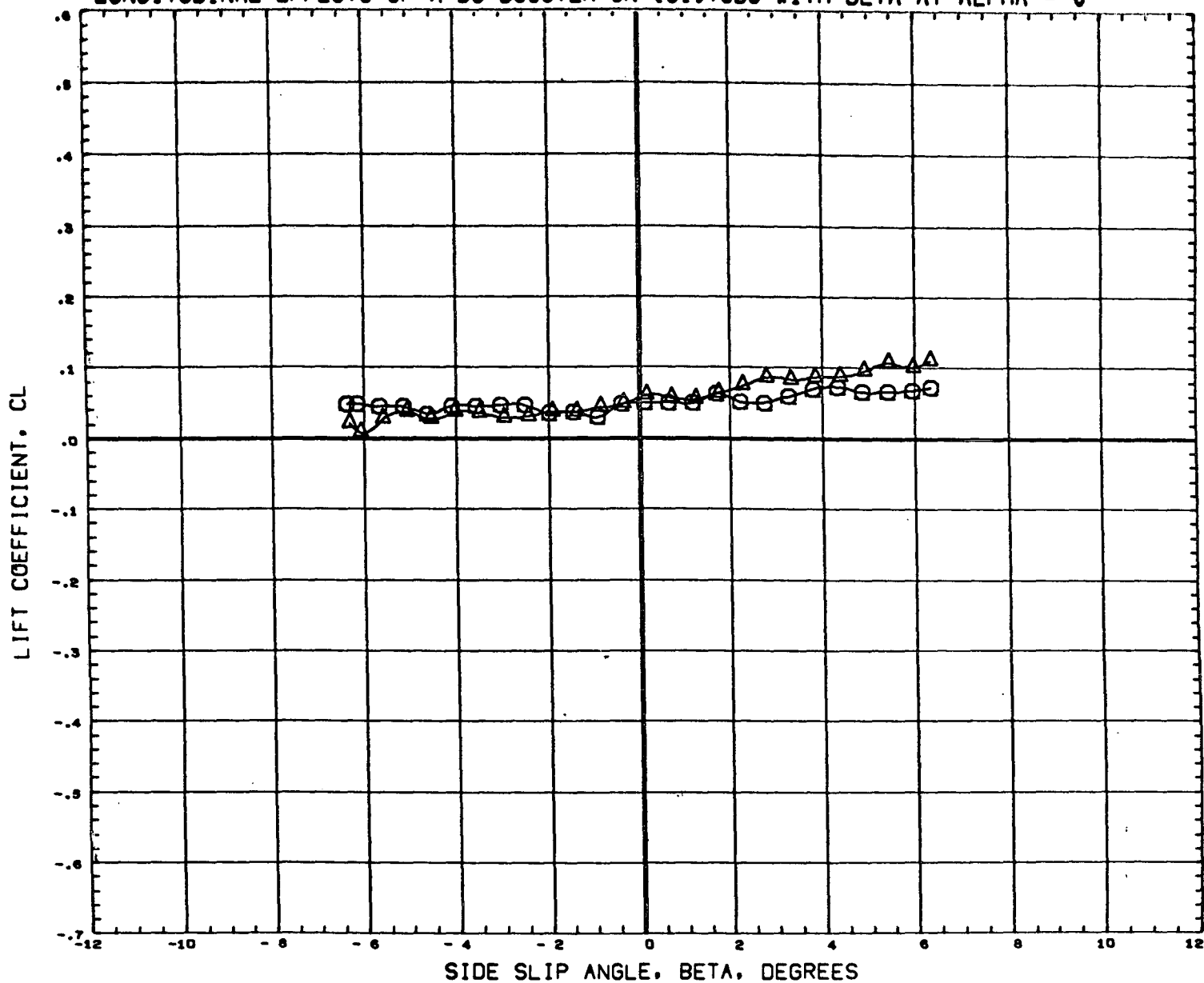


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0

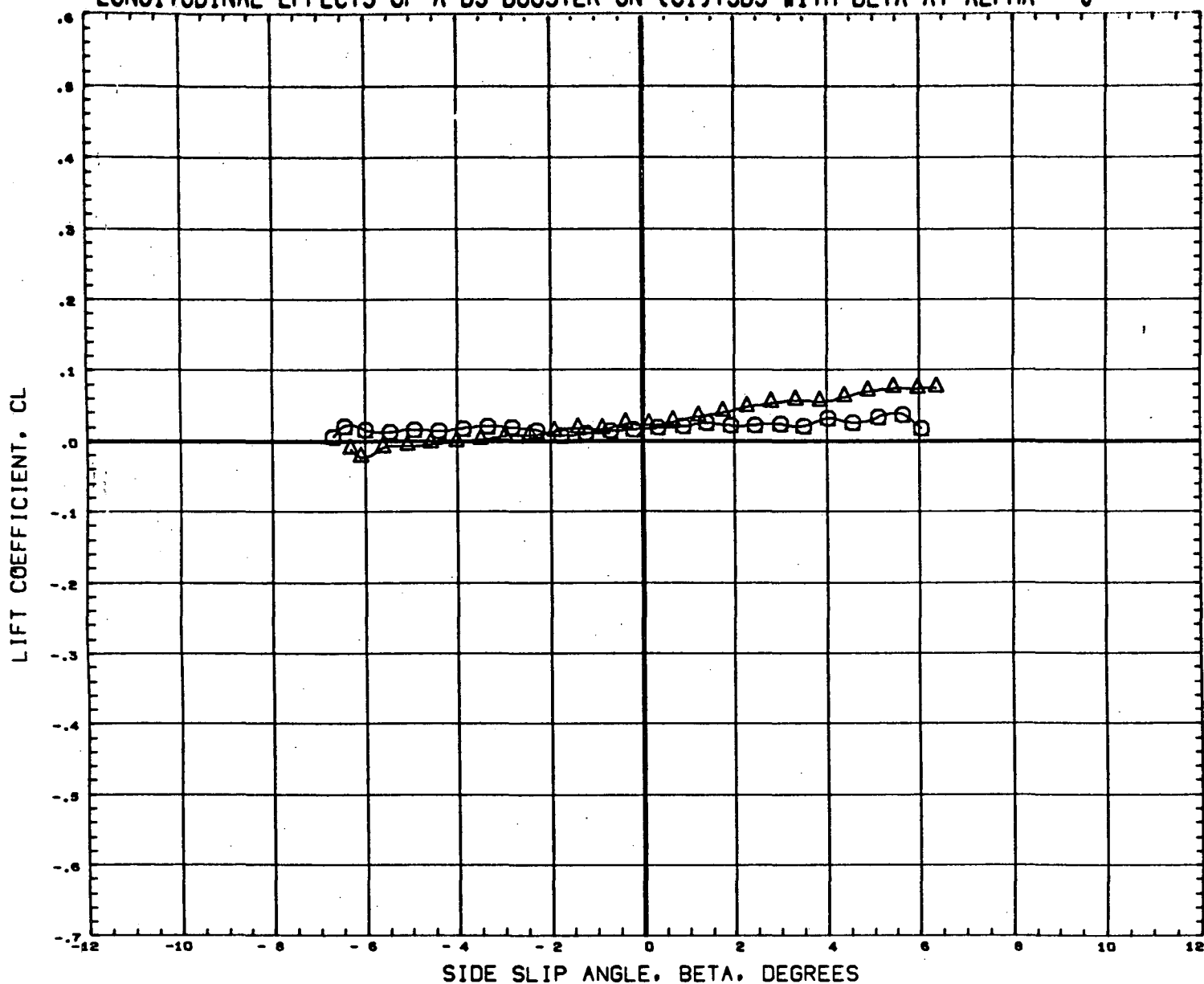


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0

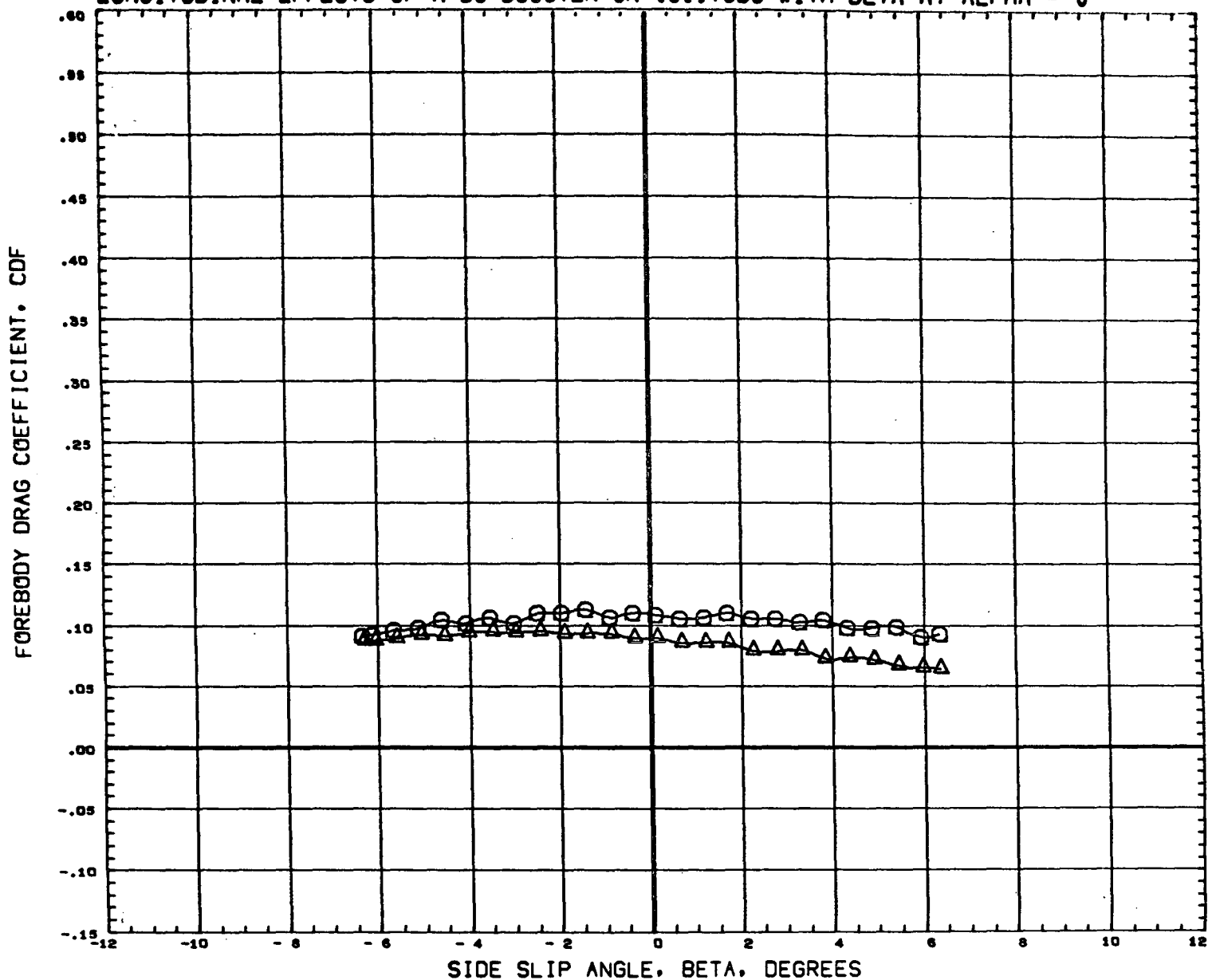


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (O1)T3B3 WITH BETA AT ALPHA = 0



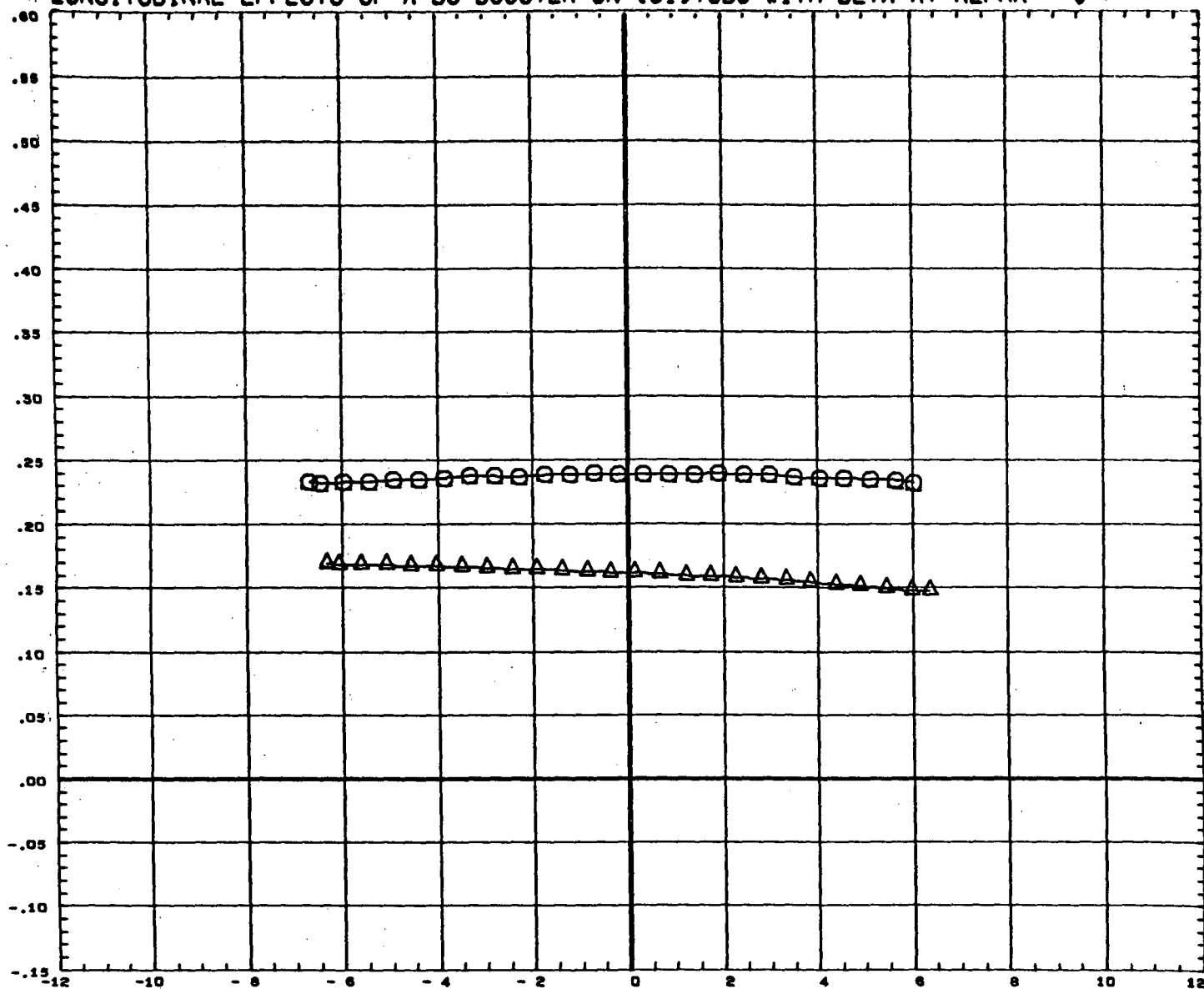
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B3L(B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B3 BOOSTER ON (01)T3B3 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF



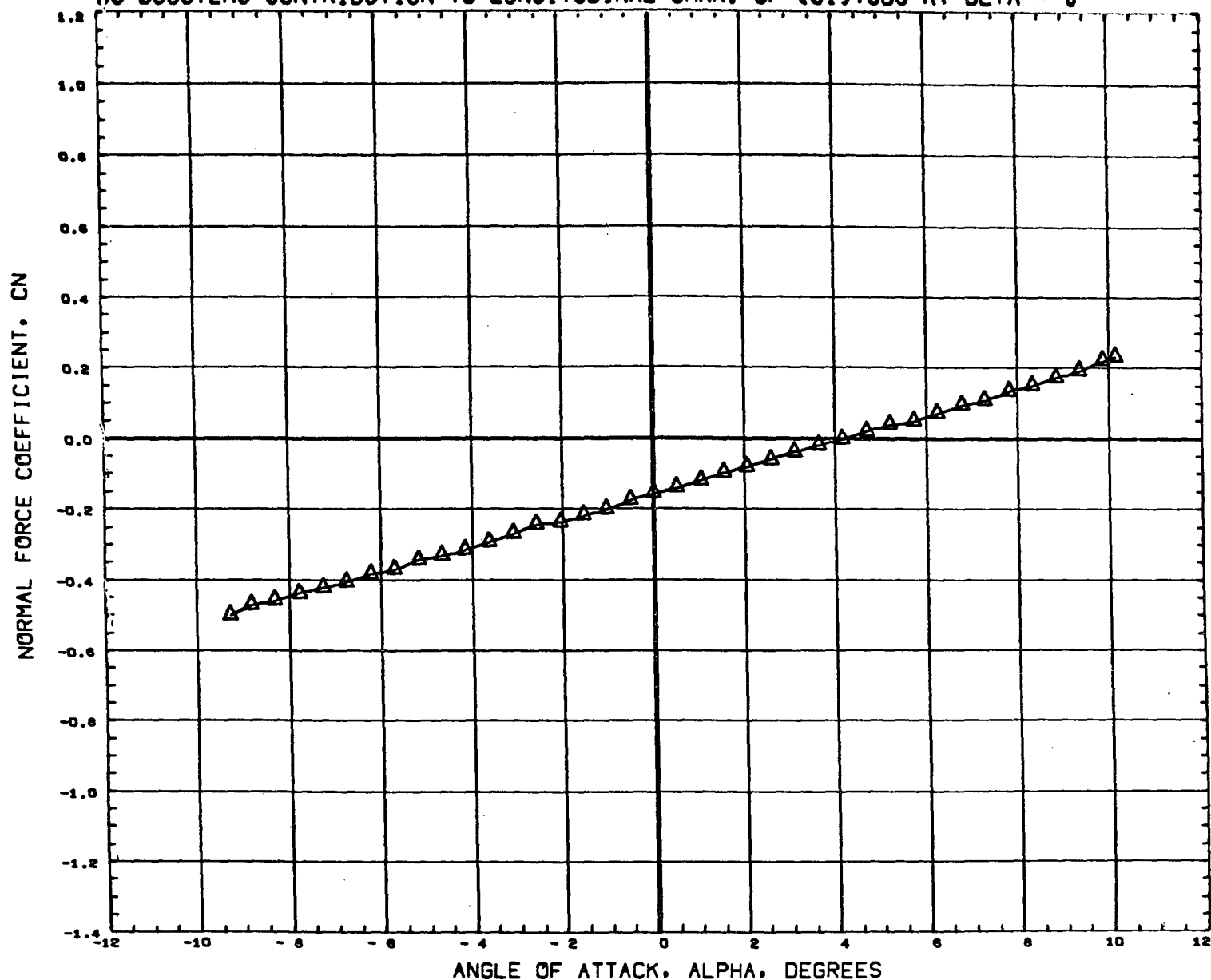
SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7489)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7492)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3L (B3R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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R3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



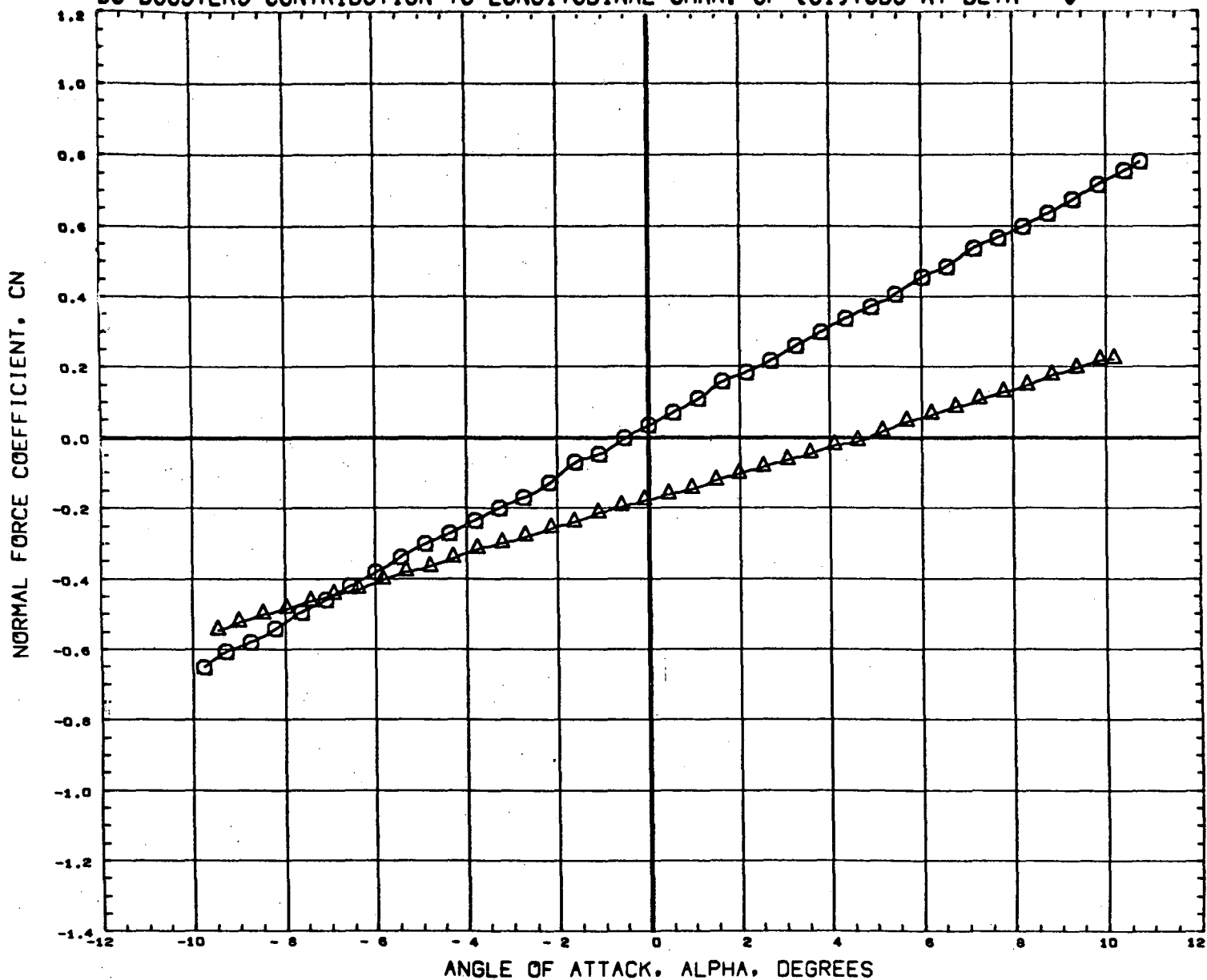
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7486) Q DATA NOT AVAILABLE FOR ALL CONDITIONS
 (DD7483) Δ MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



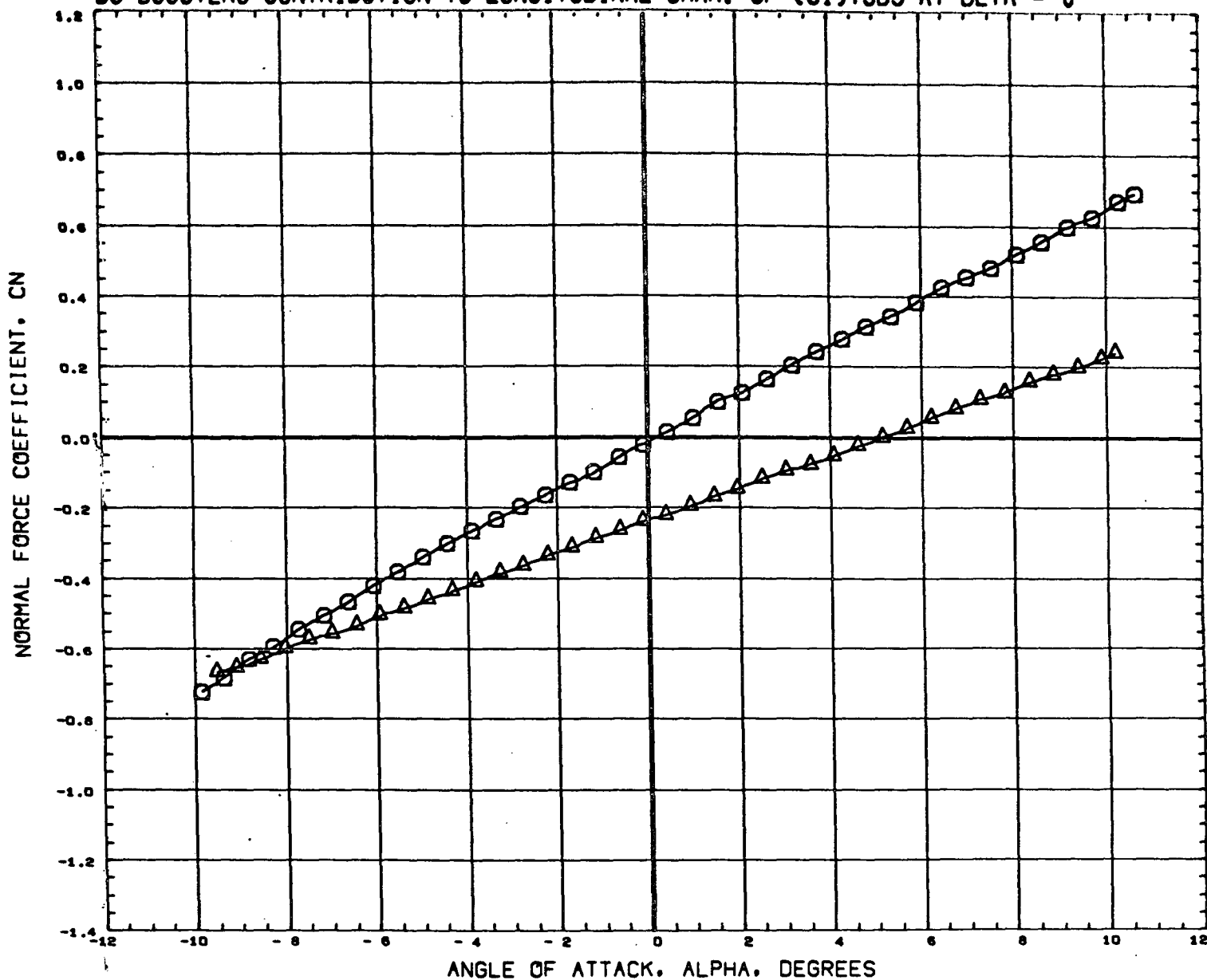
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) ○ MDAC S-222 COMPOSITE (T-CG) (01) T3B3
 (DD7483) Δ MDAC S-222 COMPOSITE (T-CG) (01) T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	982.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

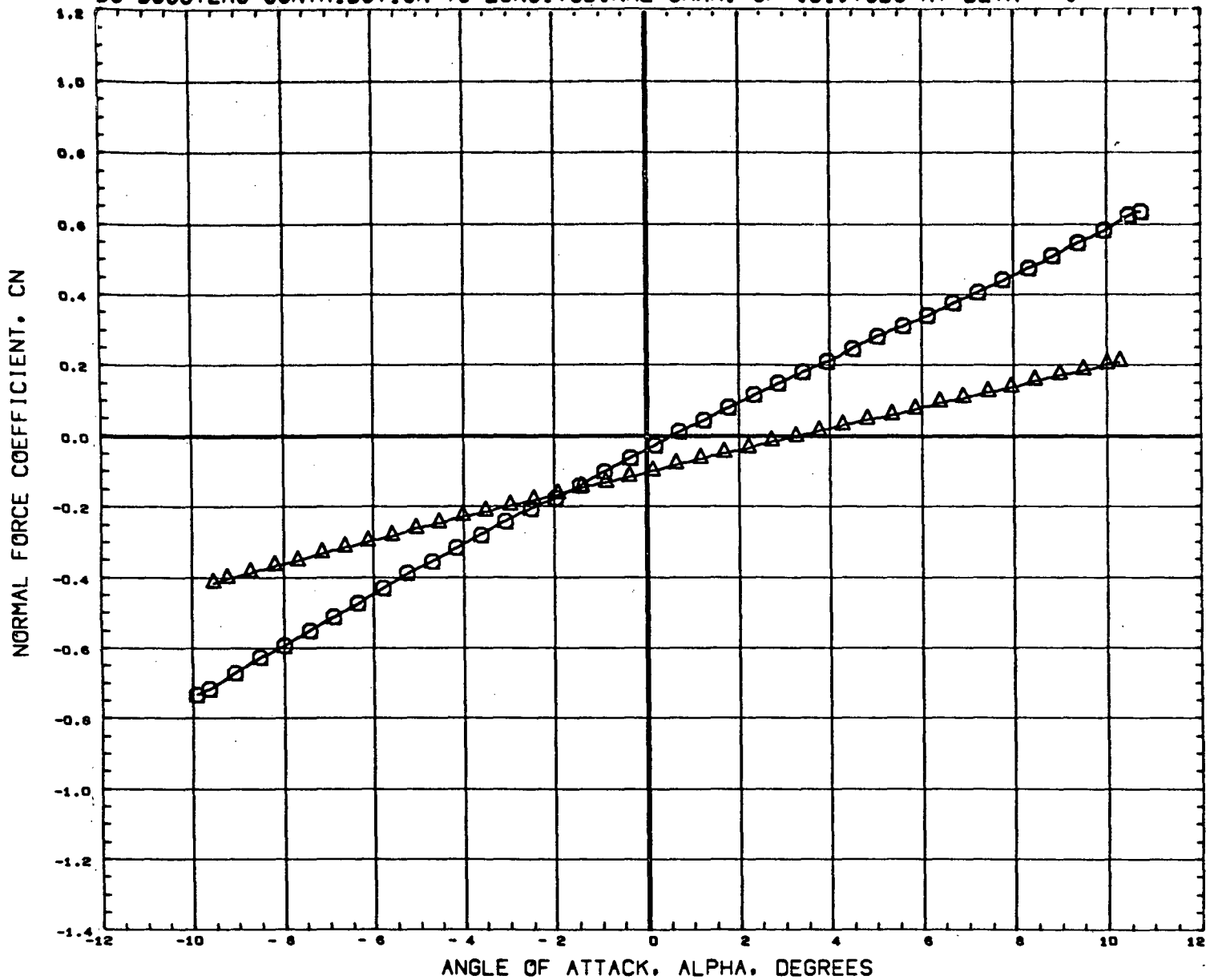


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (O1)T3B3 AT BETA = 0



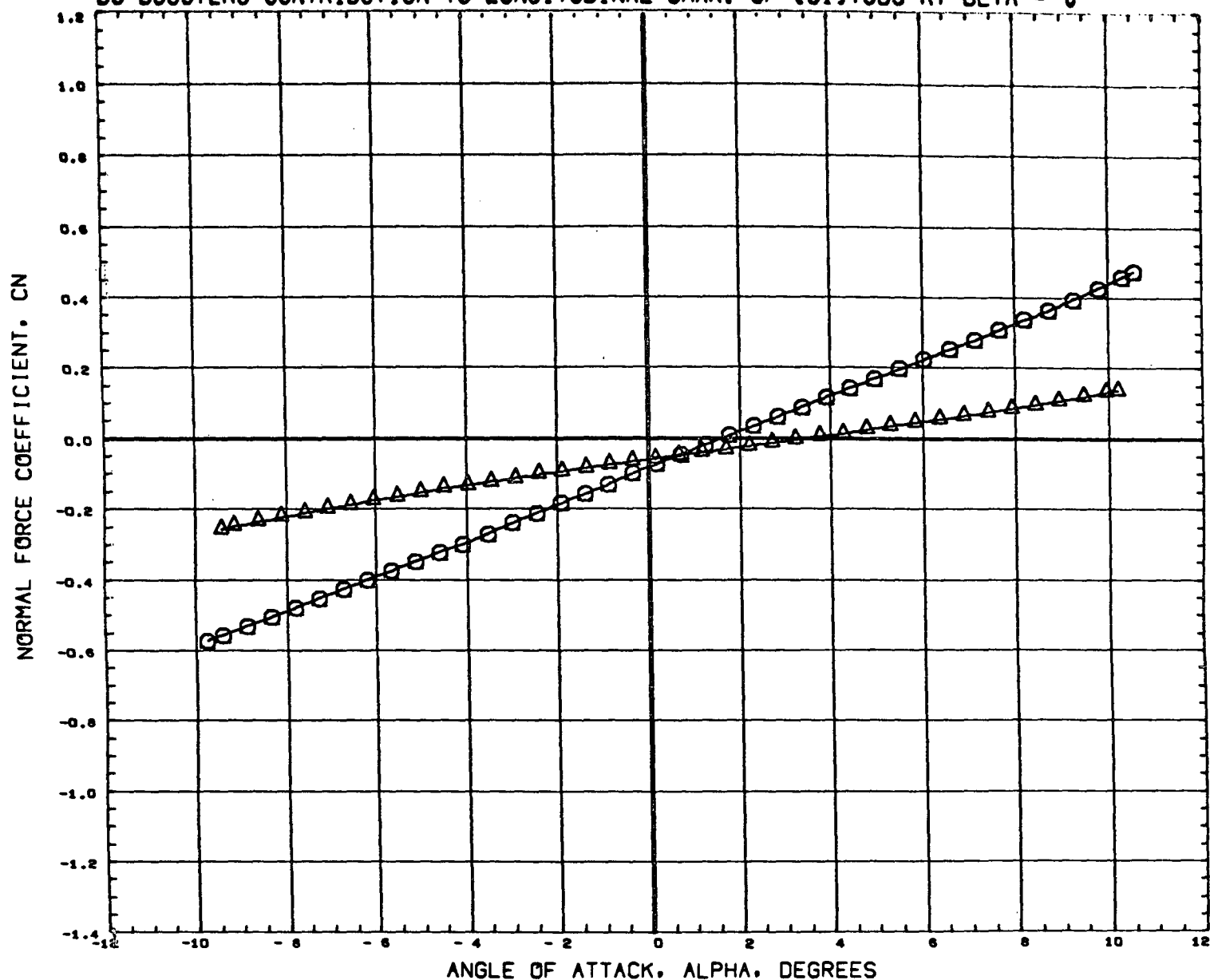
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488)	MDAC S-222 COMPOSITE(T-CG) (O1)T3B3
(DD7483)	MDAC S-222 COMPOSITE(T-CG) (O1)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

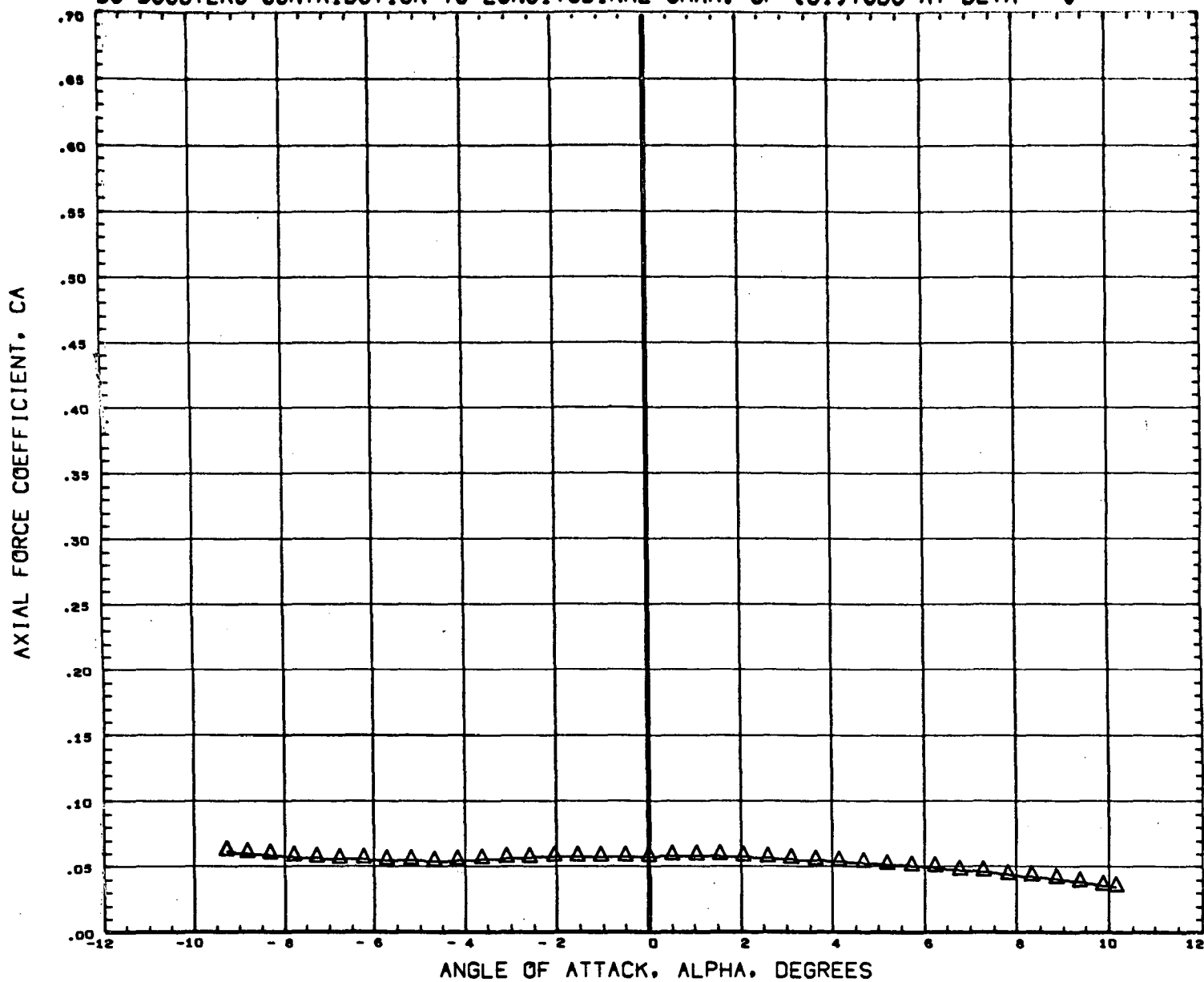


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



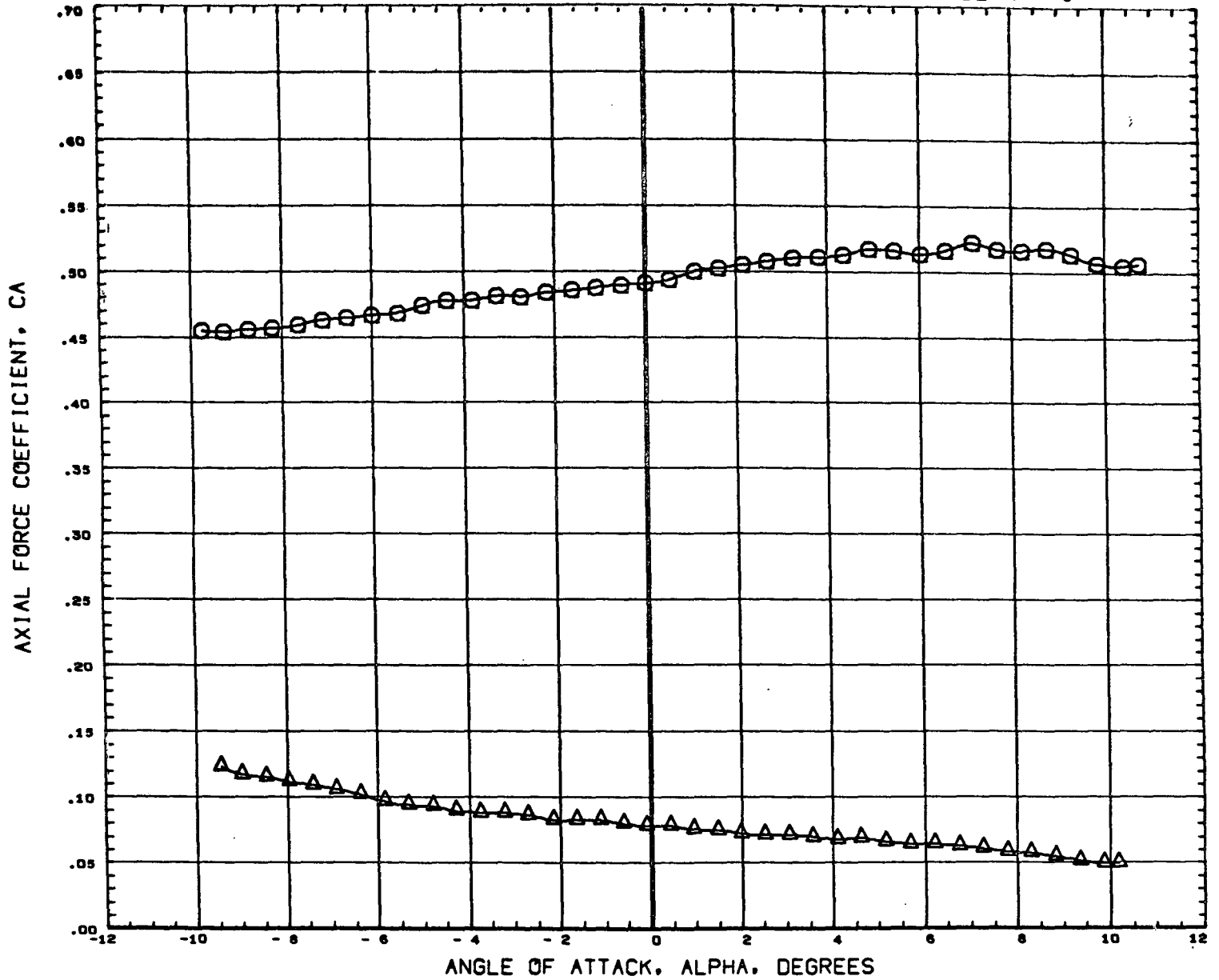
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(DD7488) DATA NOT AVAILABLE FOR ALL CONDITIONS
(DD7483) MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

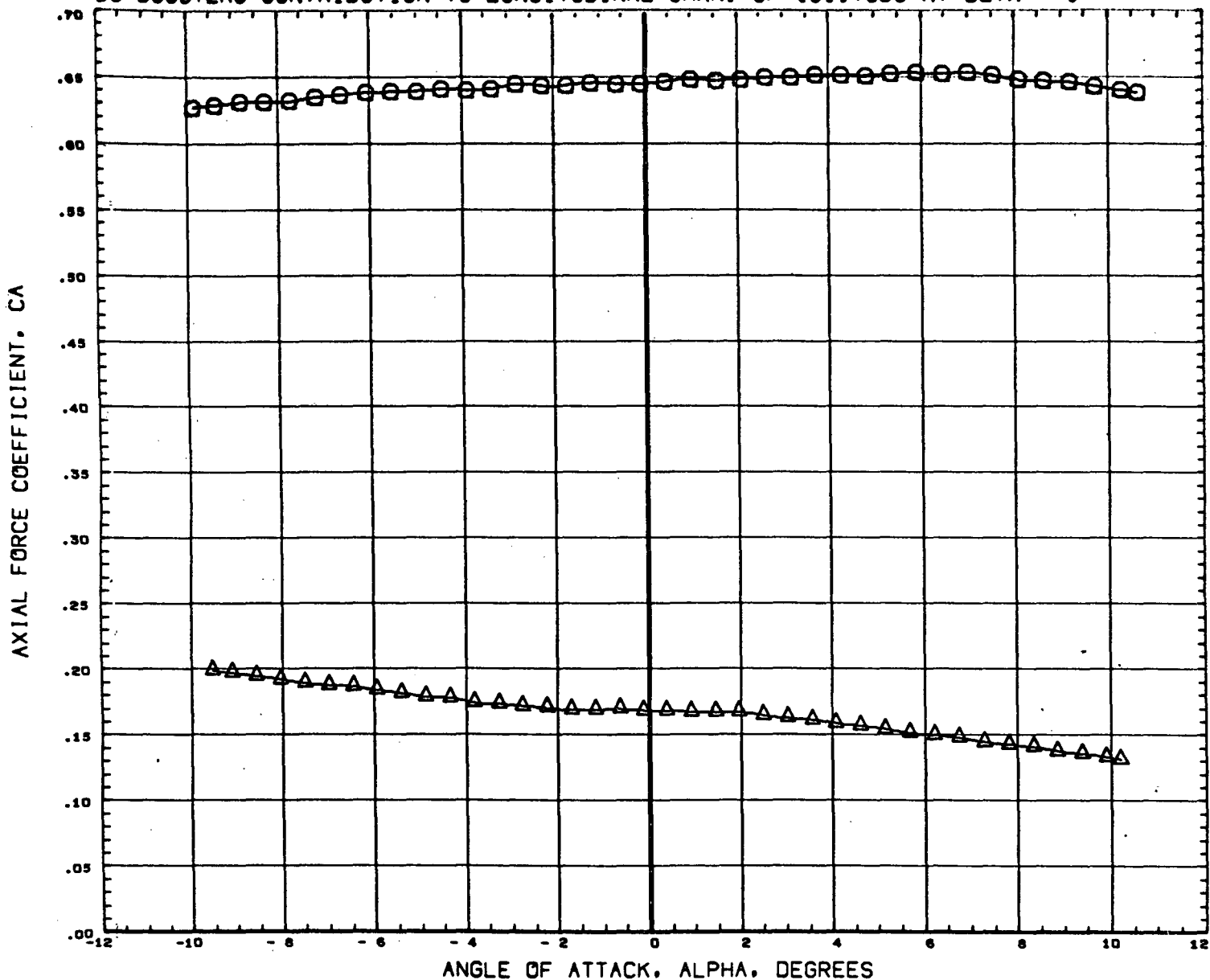


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7486)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRRP	537.0004 IN.
						YMRRP	0.0000 IN.
						ZMRRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

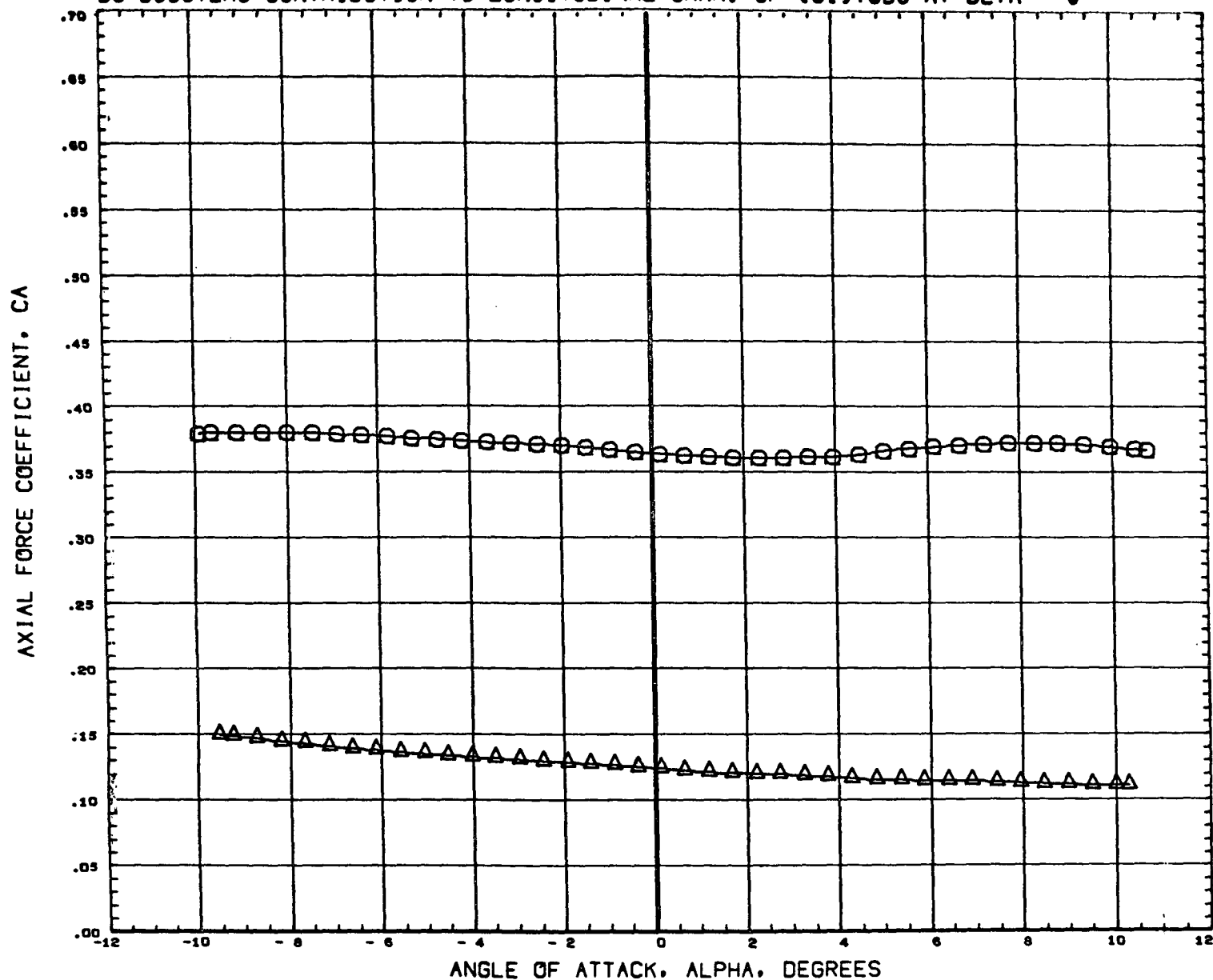


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



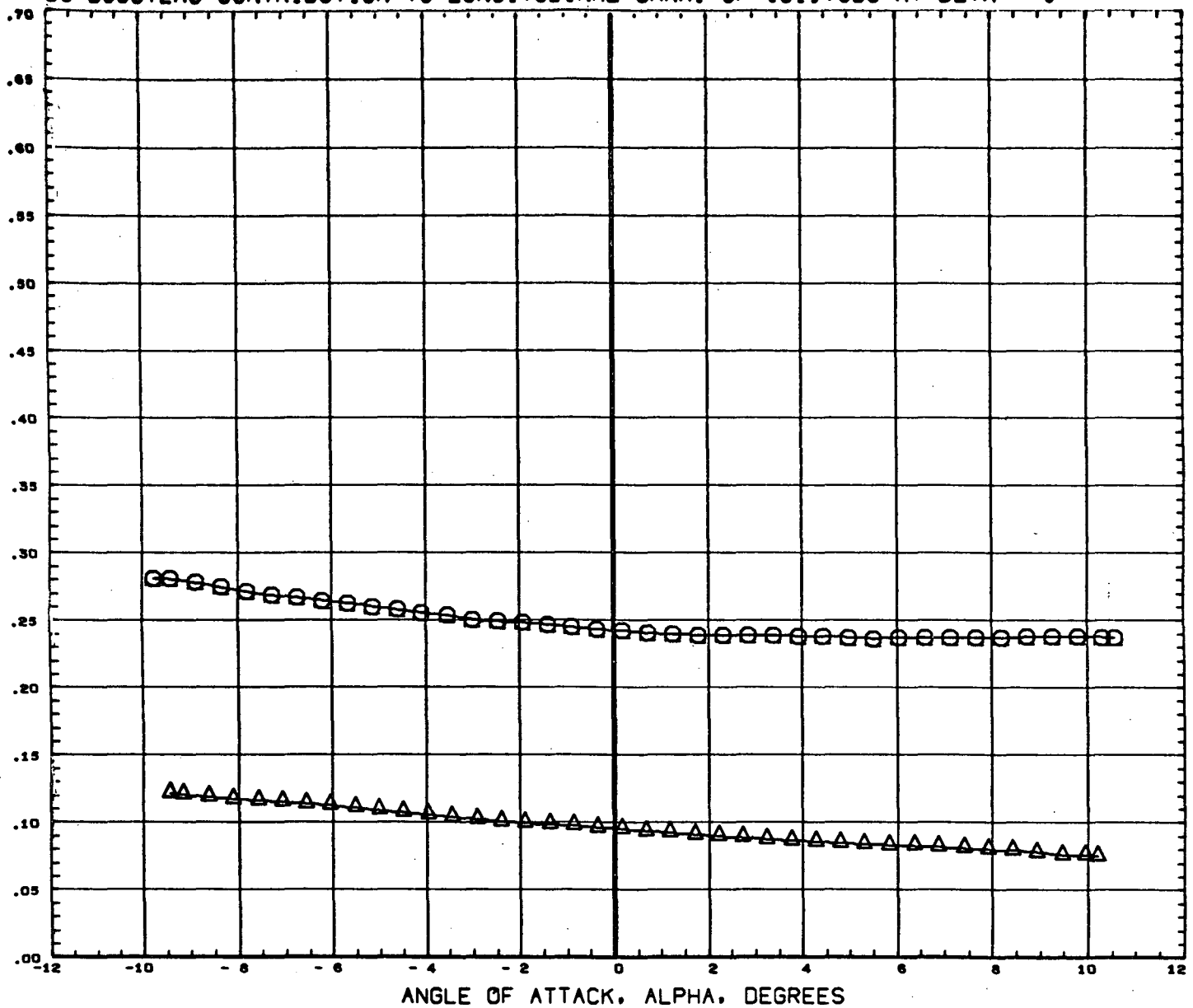
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



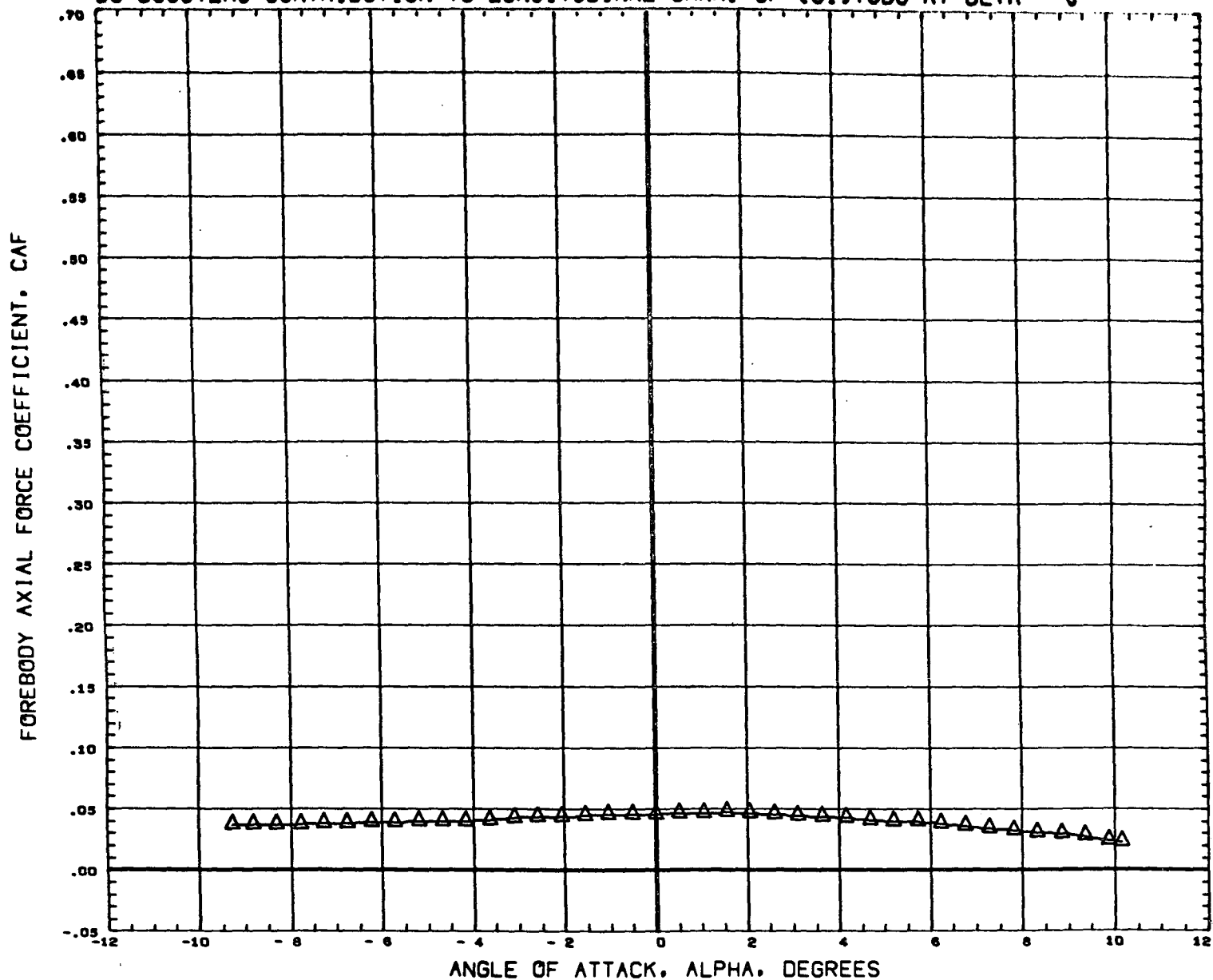
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(DD7488) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
(DD7483) MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



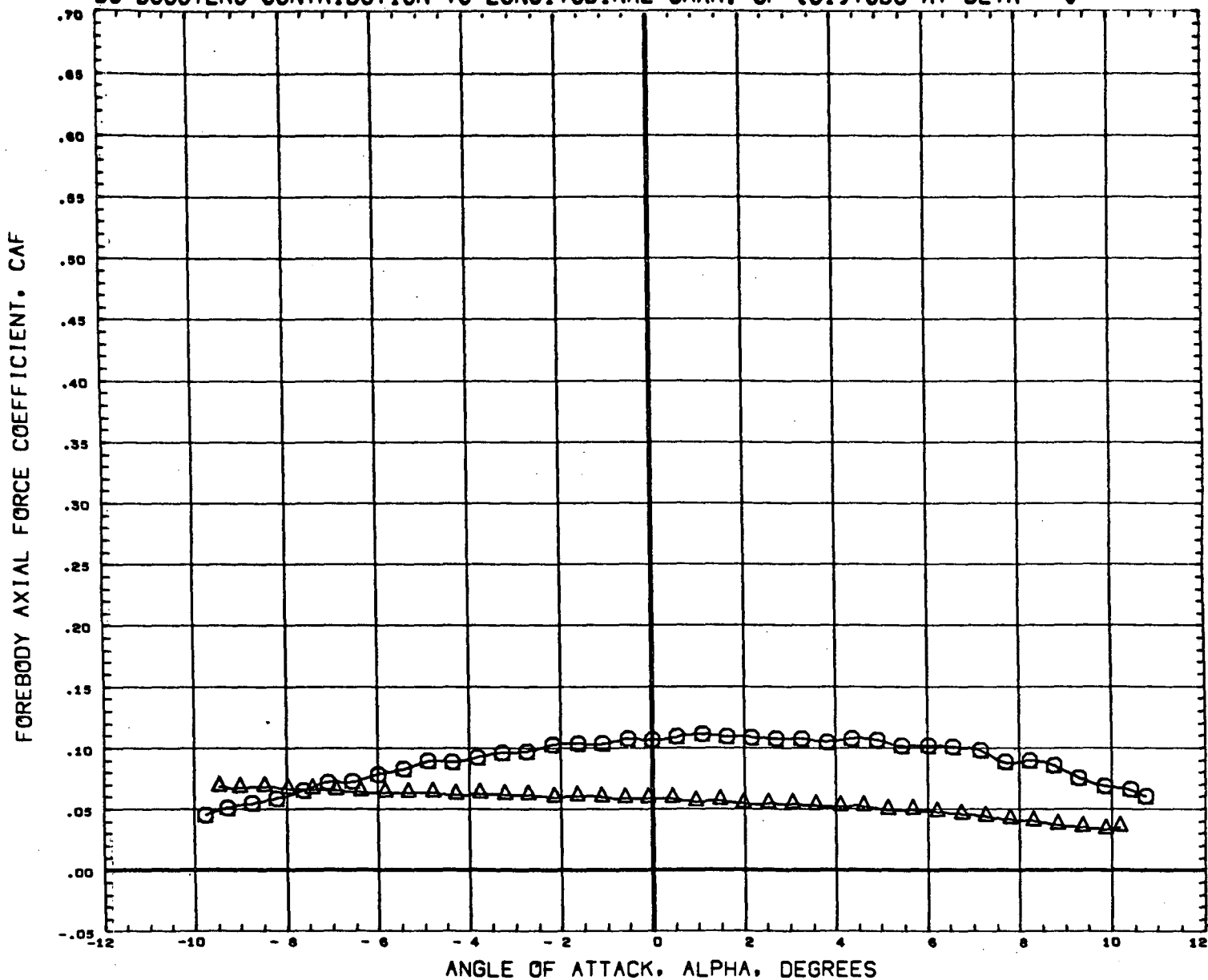
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) DATA NOT AVAILABLE FOR ALL CONDITIONS
 (DD7483) MDAC S-222 COMPOSITE(T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



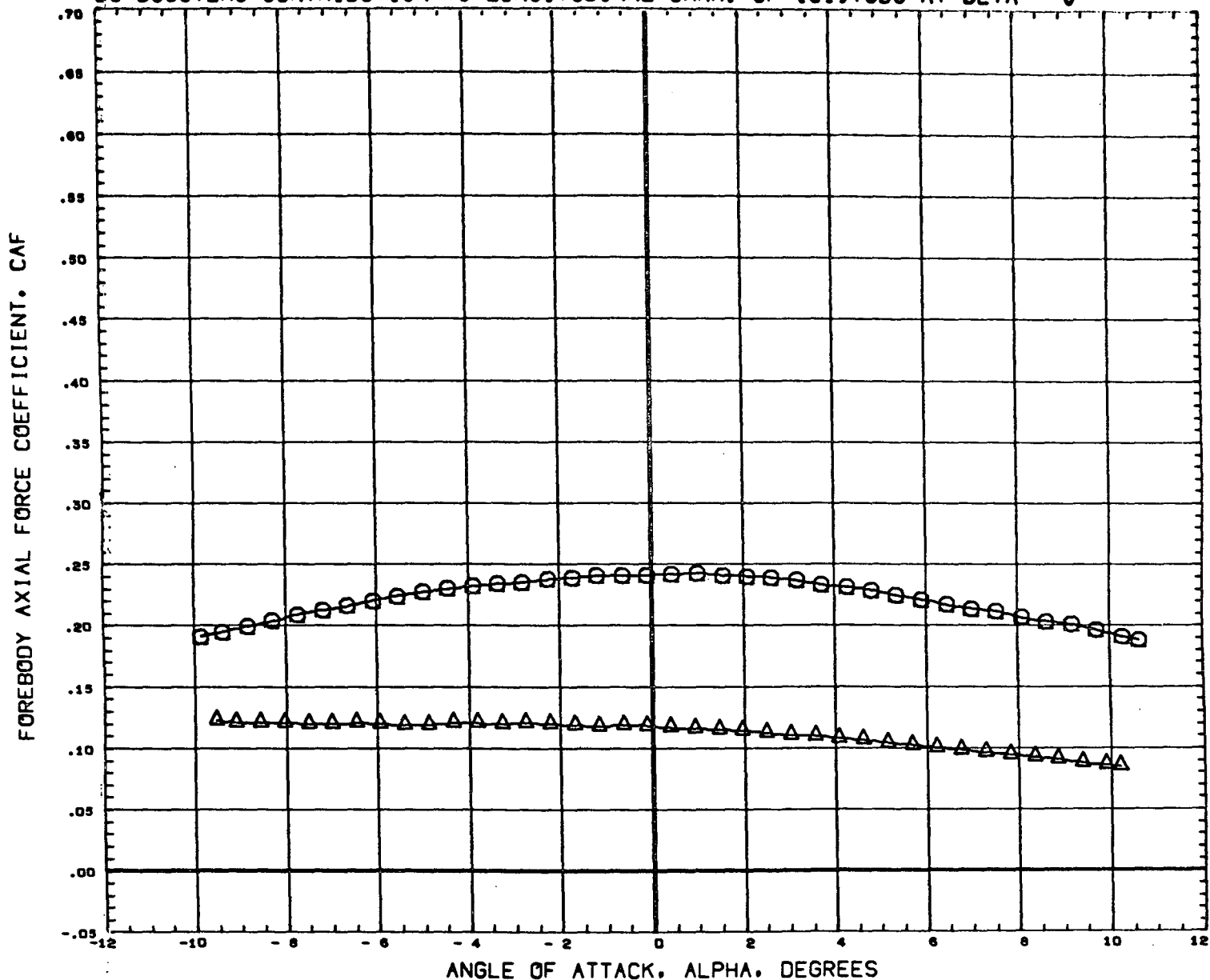
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7489) (01)T3B3
 (DD7483) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



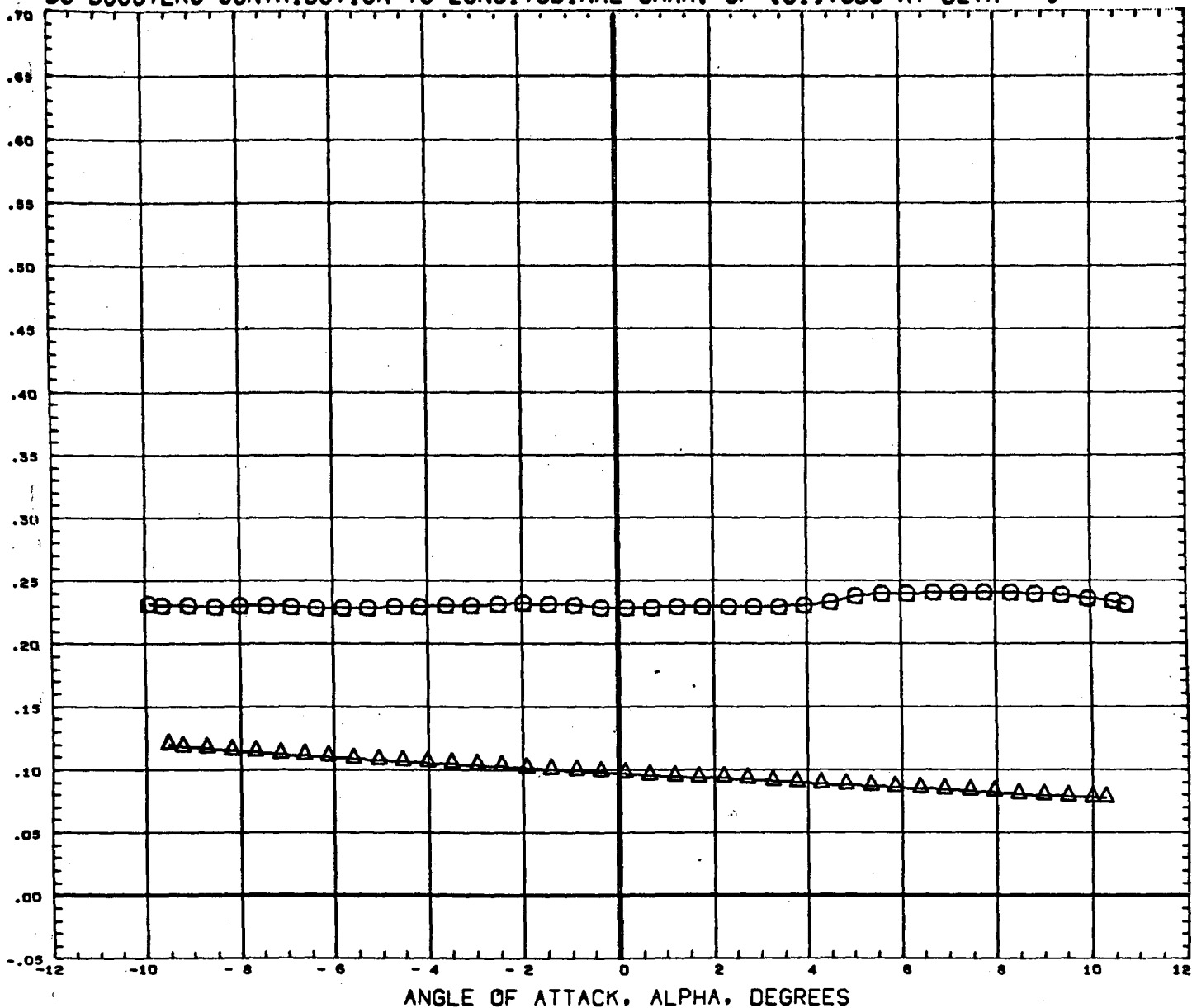
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



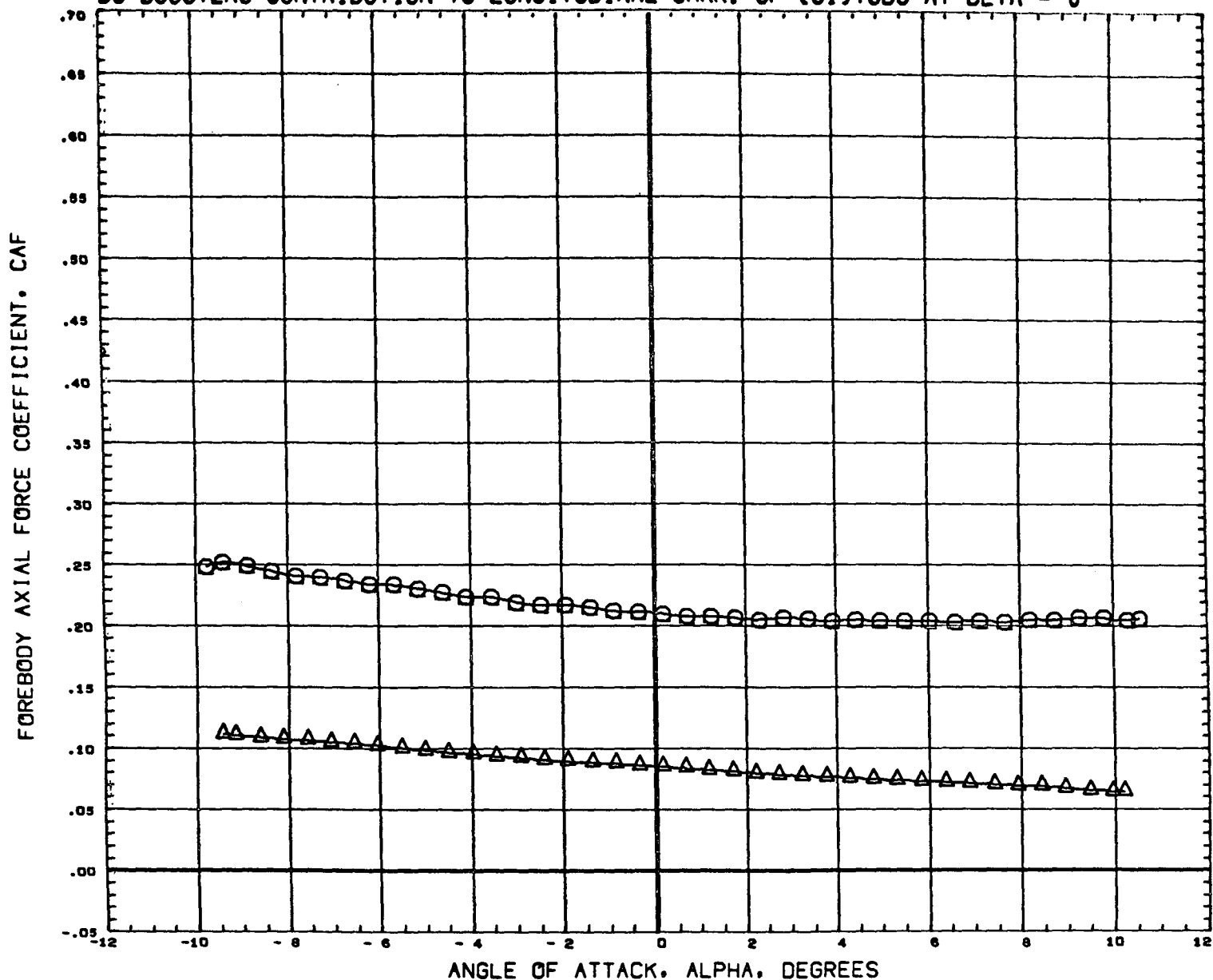
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

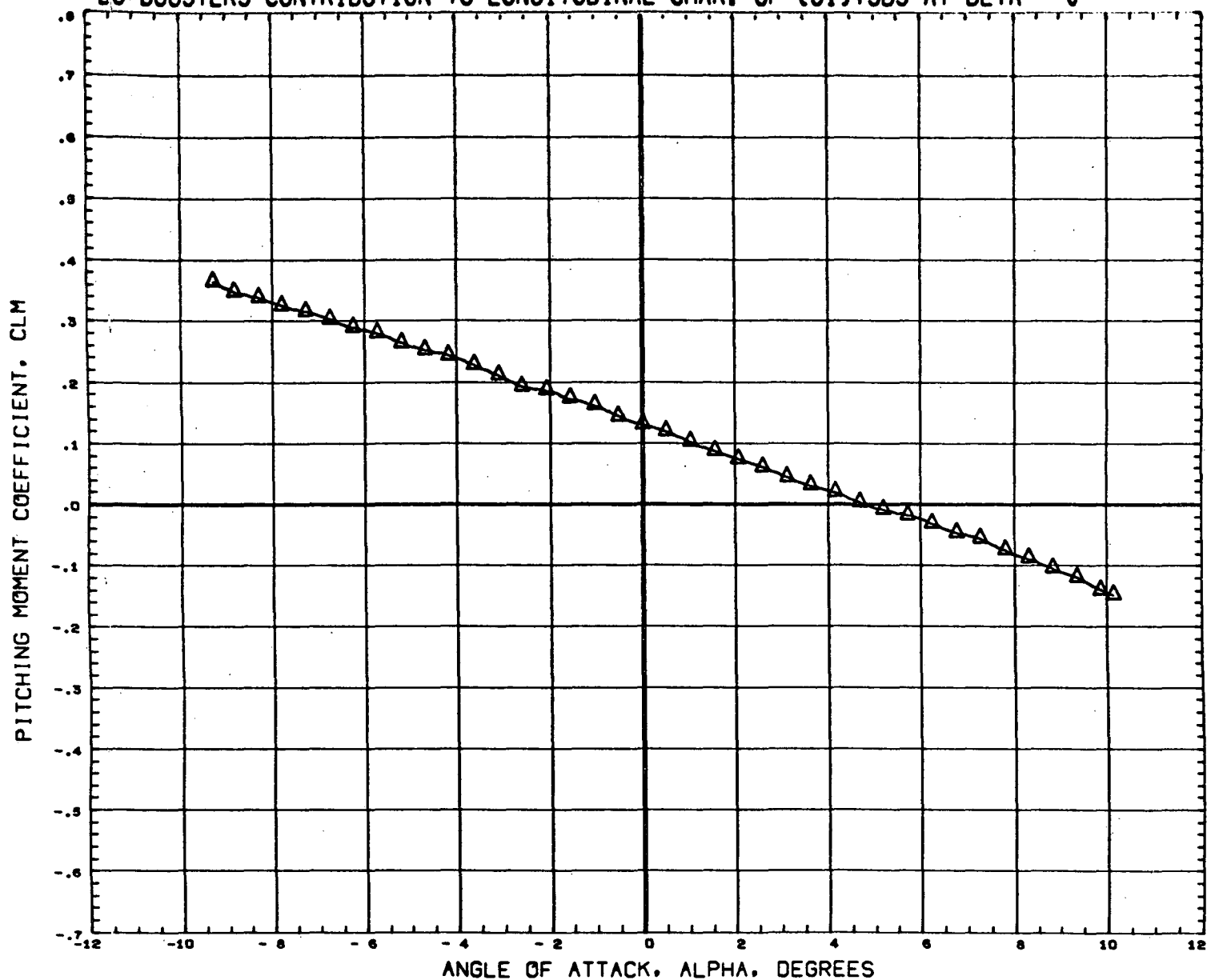


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



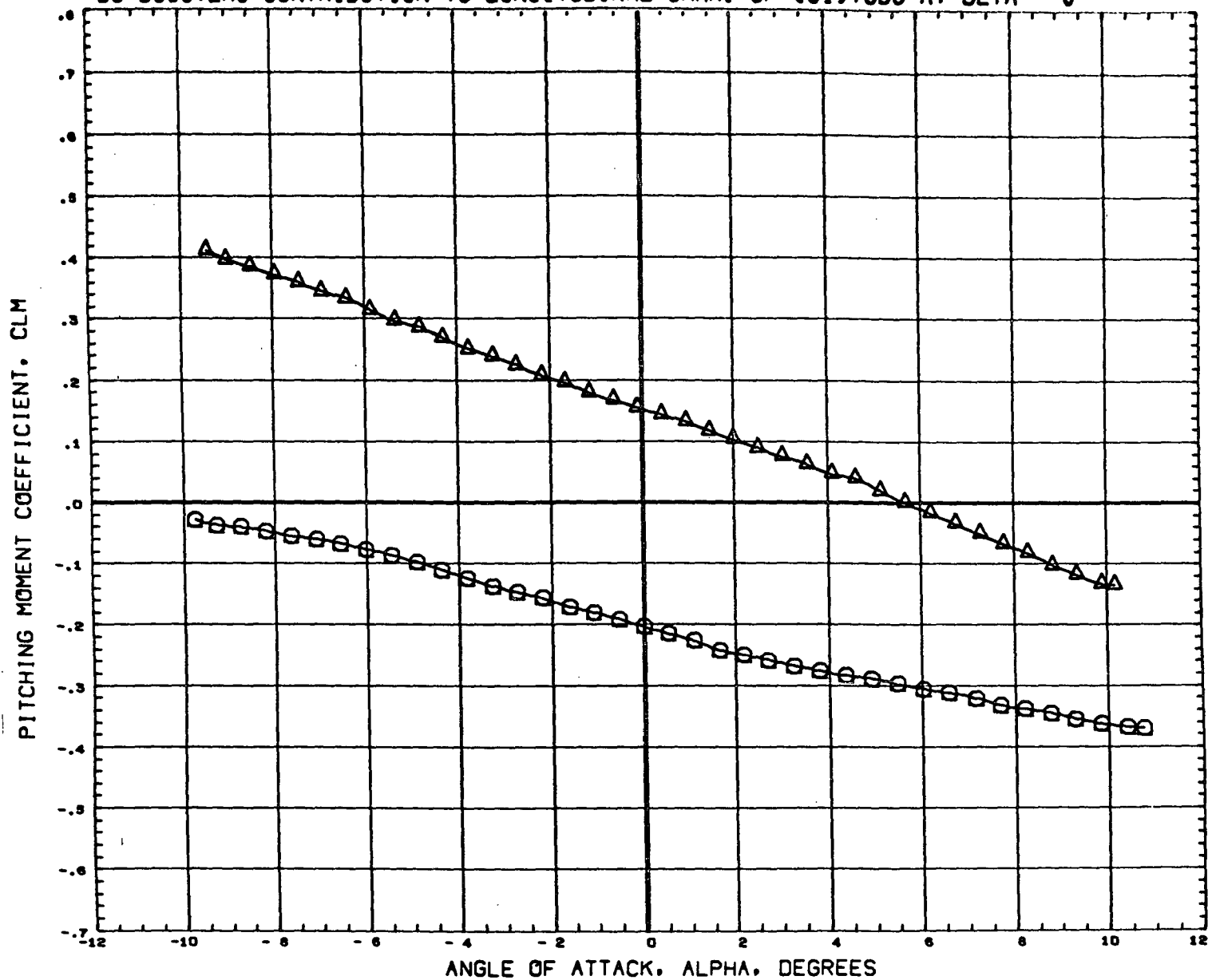
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) : DATA NOT AVAILABLE FOR ALL CONDITIONS
 (DD7483) : MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	482.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH .59

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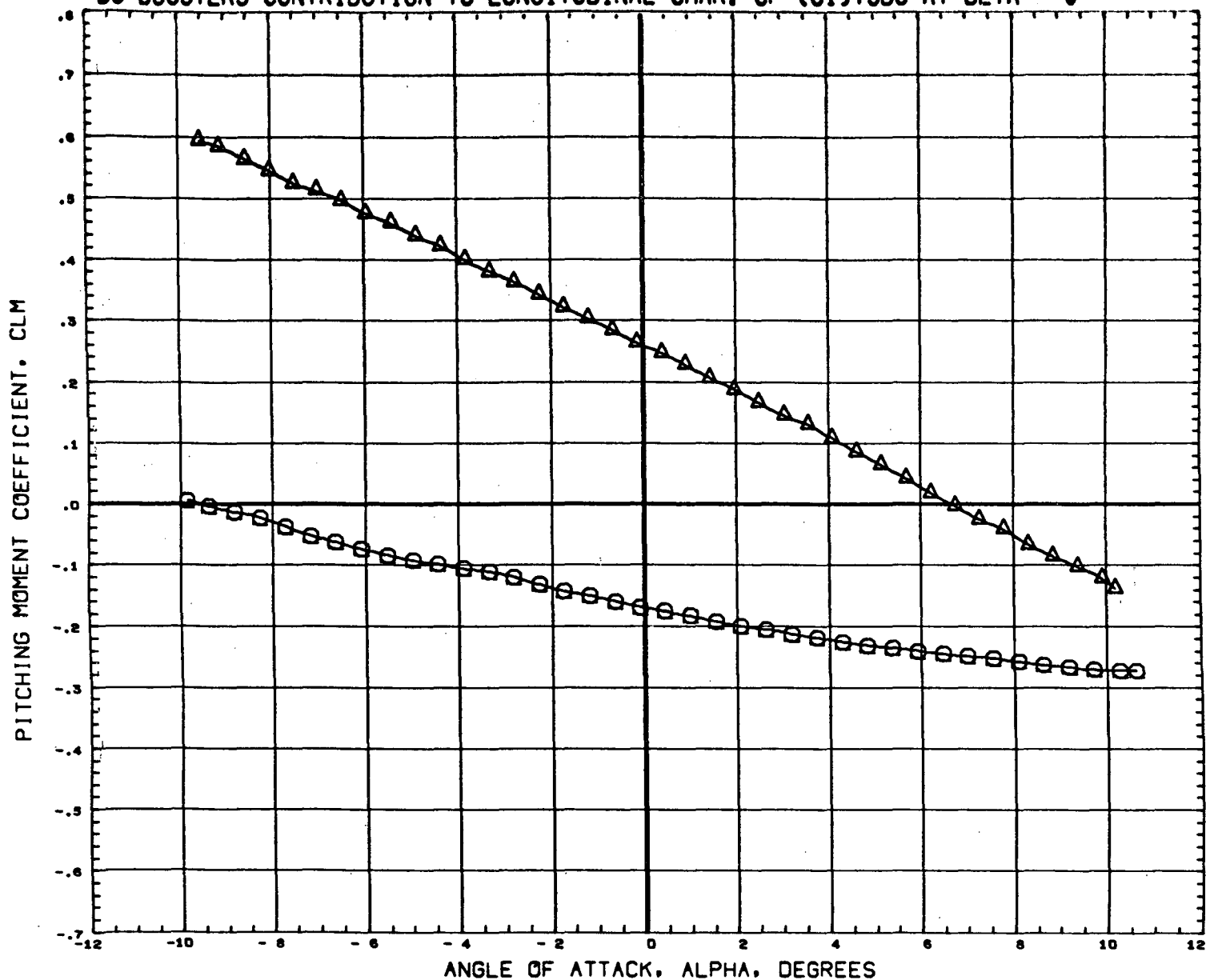
B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-CG) (01) T3B3
 (DD7483) MDAC S-222 COMPOSITE (T-CG) (01) T3

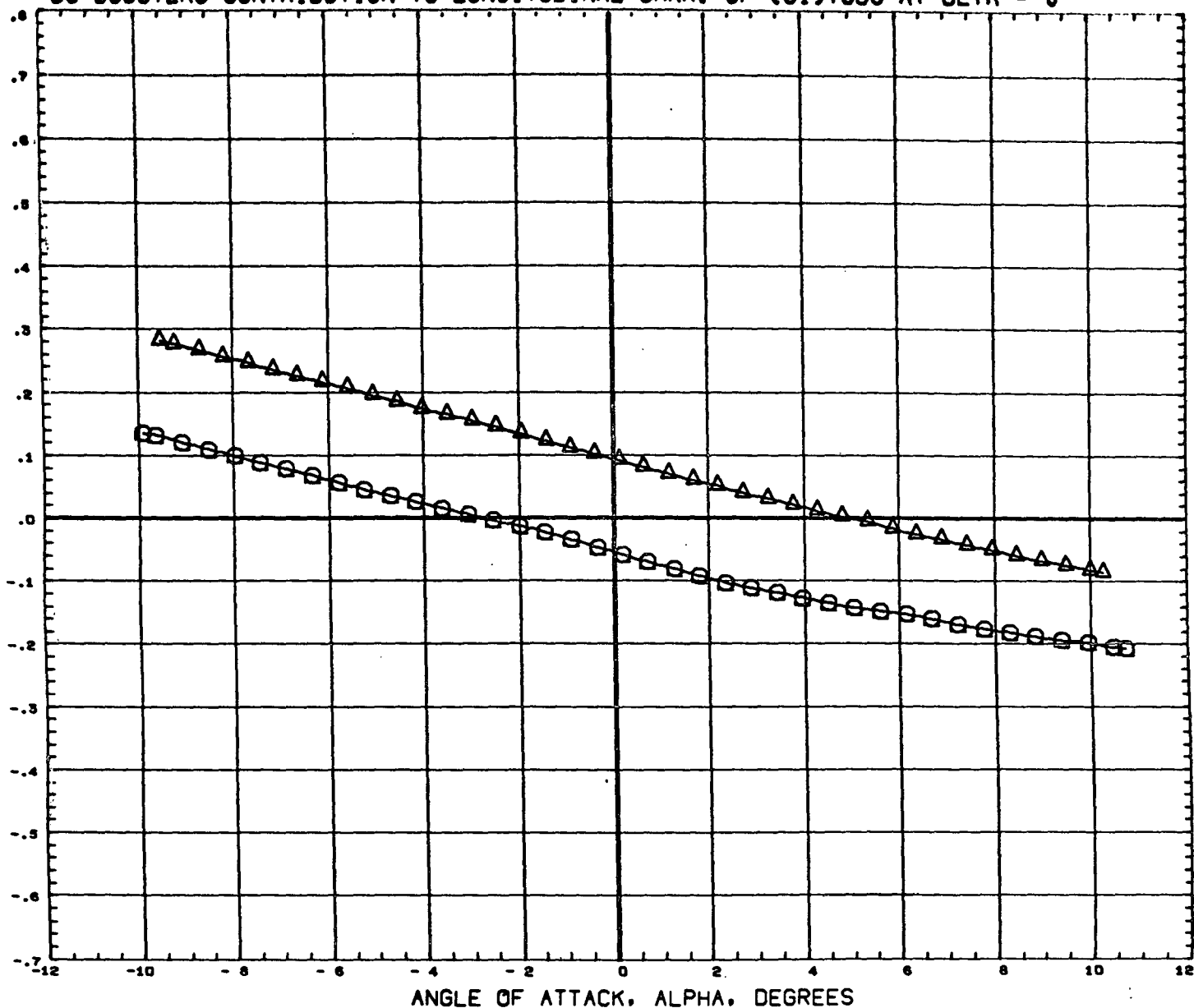
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM

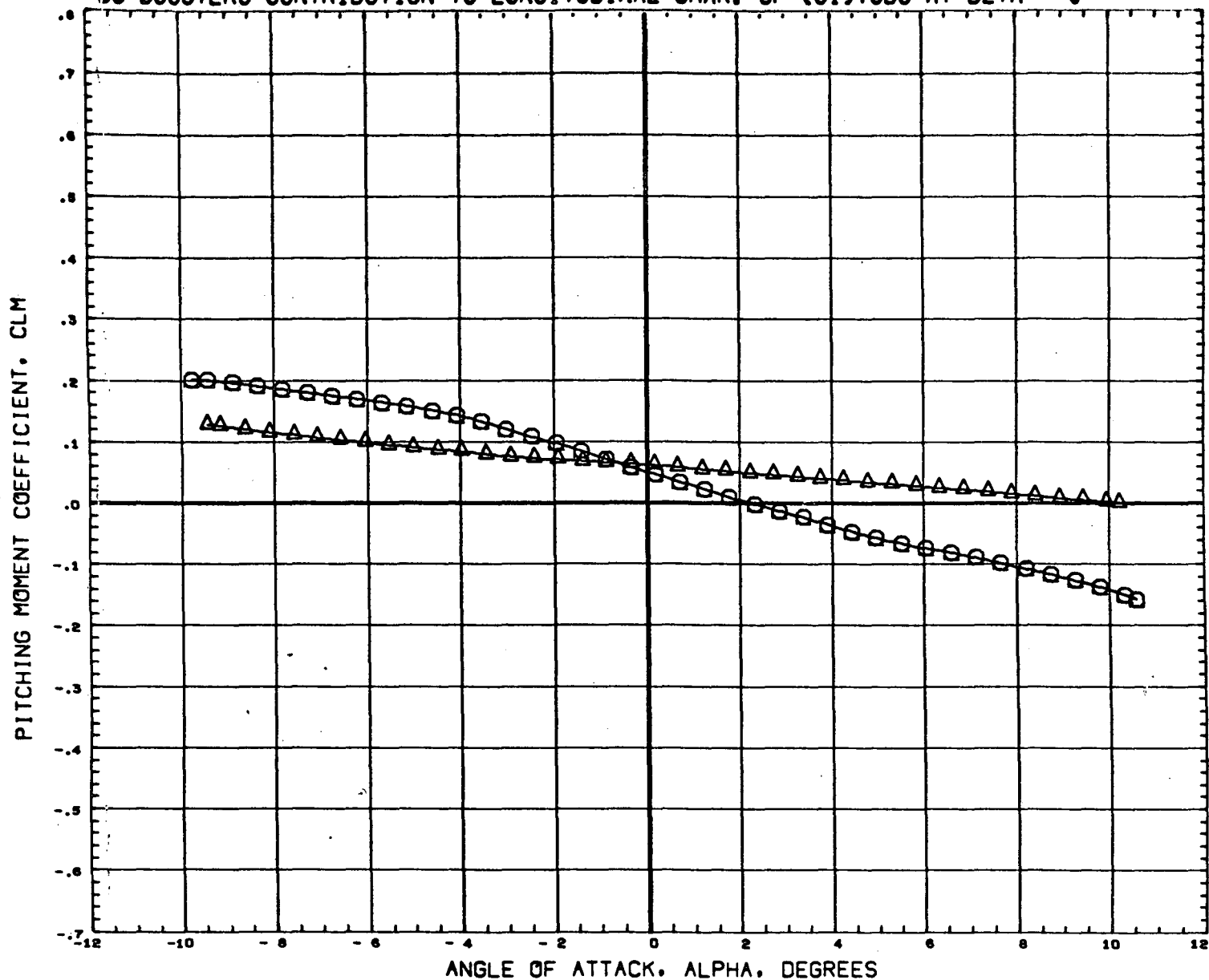


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



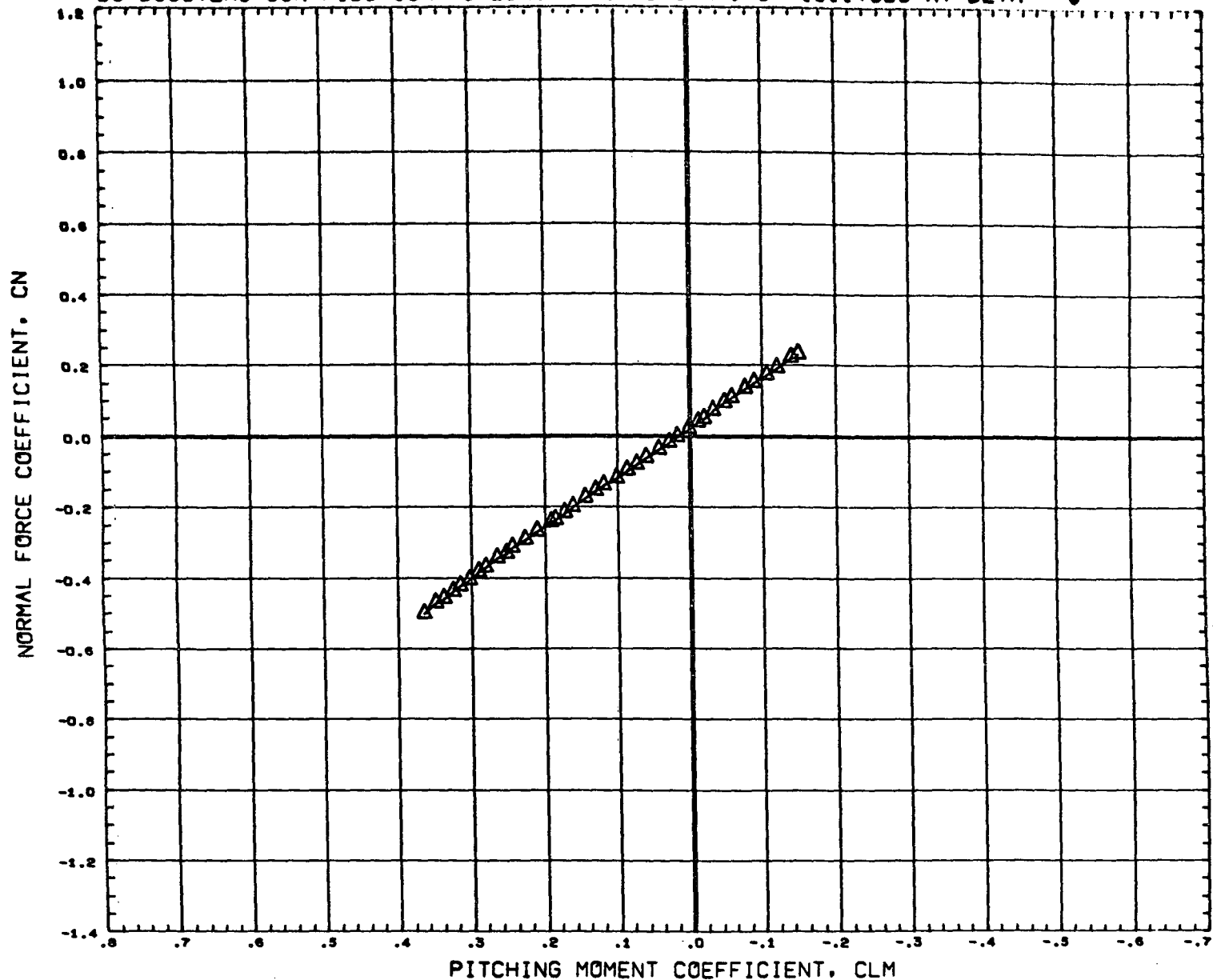
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD7483) MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DD7488) DATA NOT AVAILABLE FOR ALL CONDITIONS
(DD7483) MDAC S-222 COMPOSITE (T-CG) (01)T3

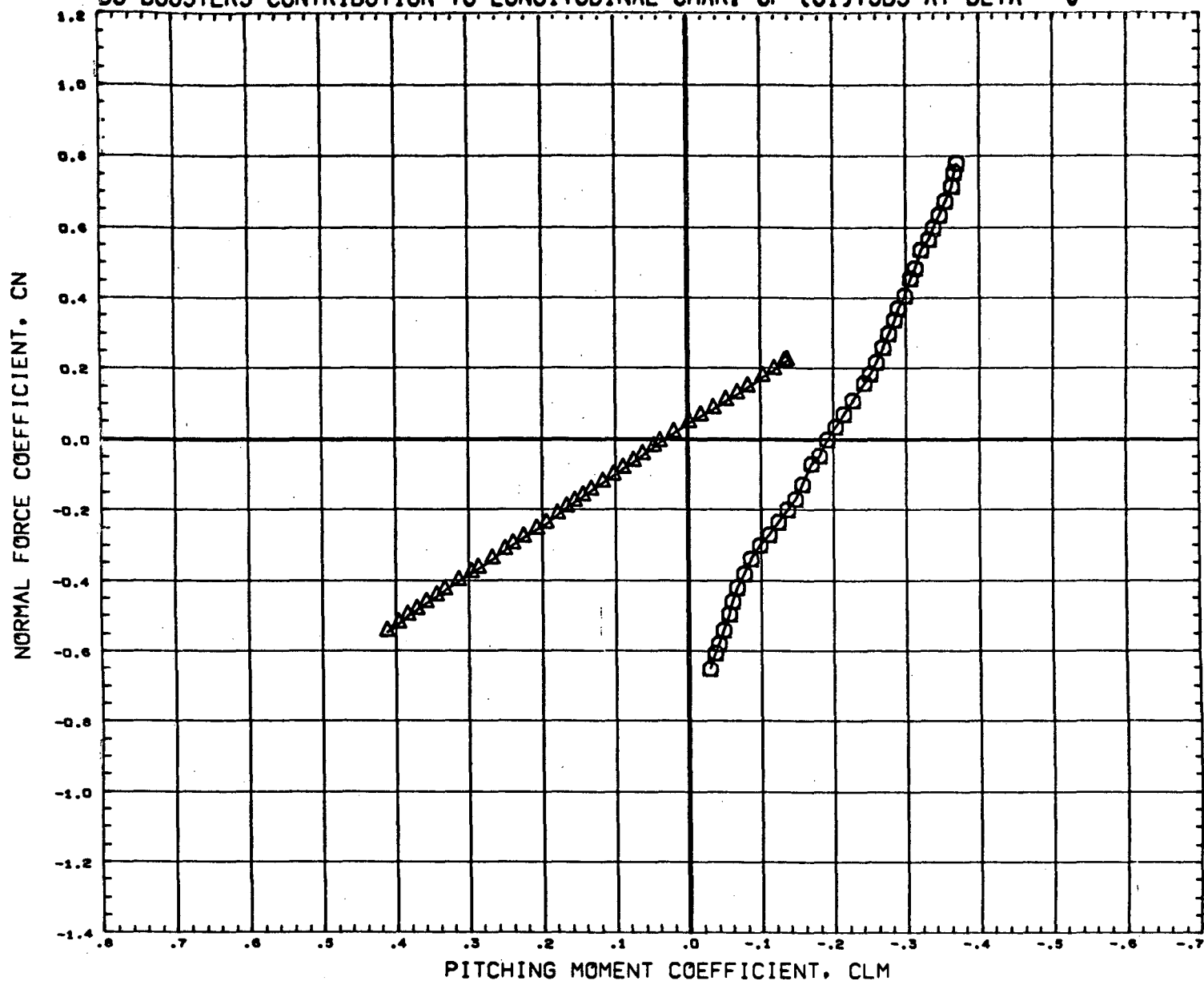
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

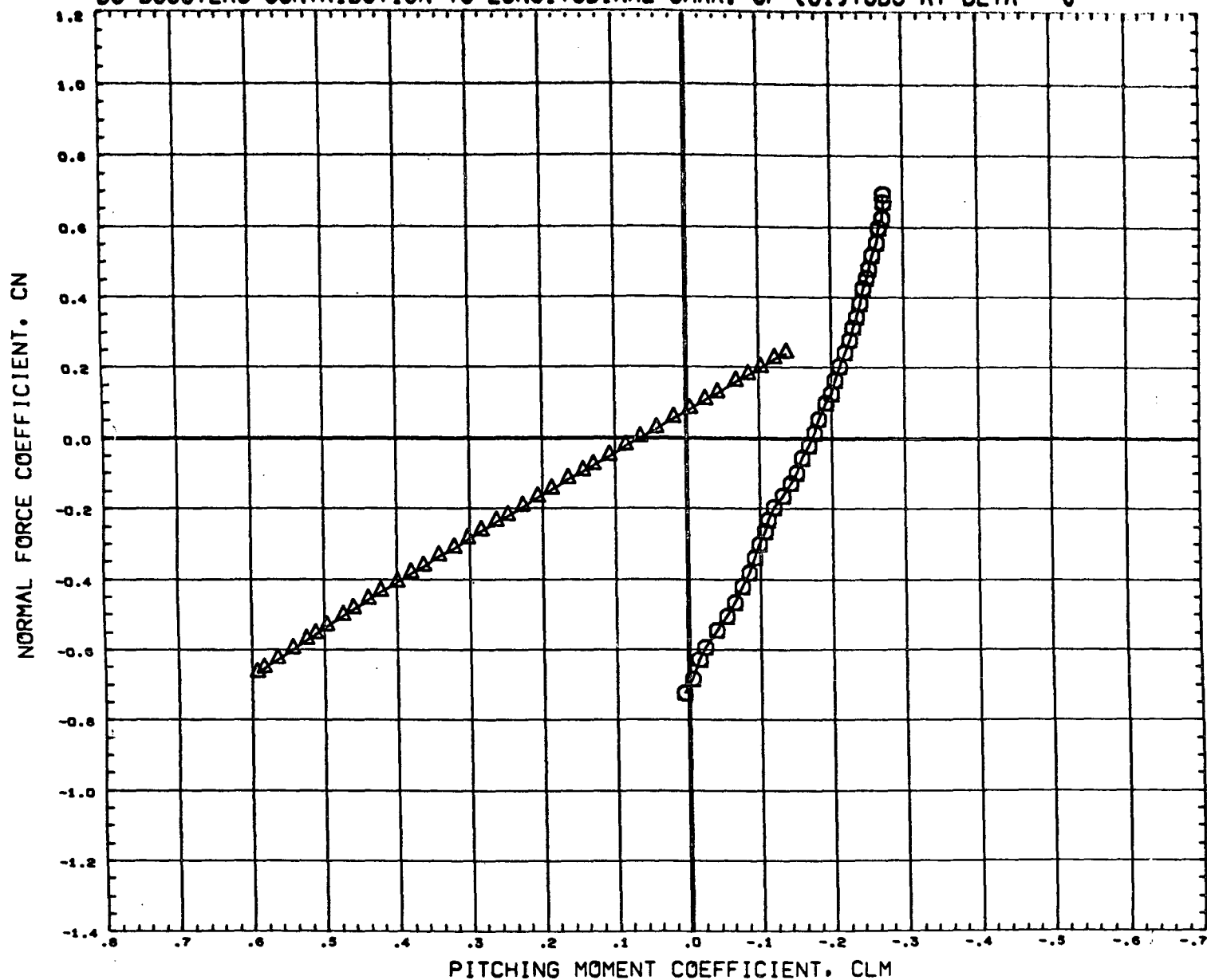


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	NDAC S-222 COMPOSITE(T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	NDAC S-222 COMPOSITE(T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						SREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

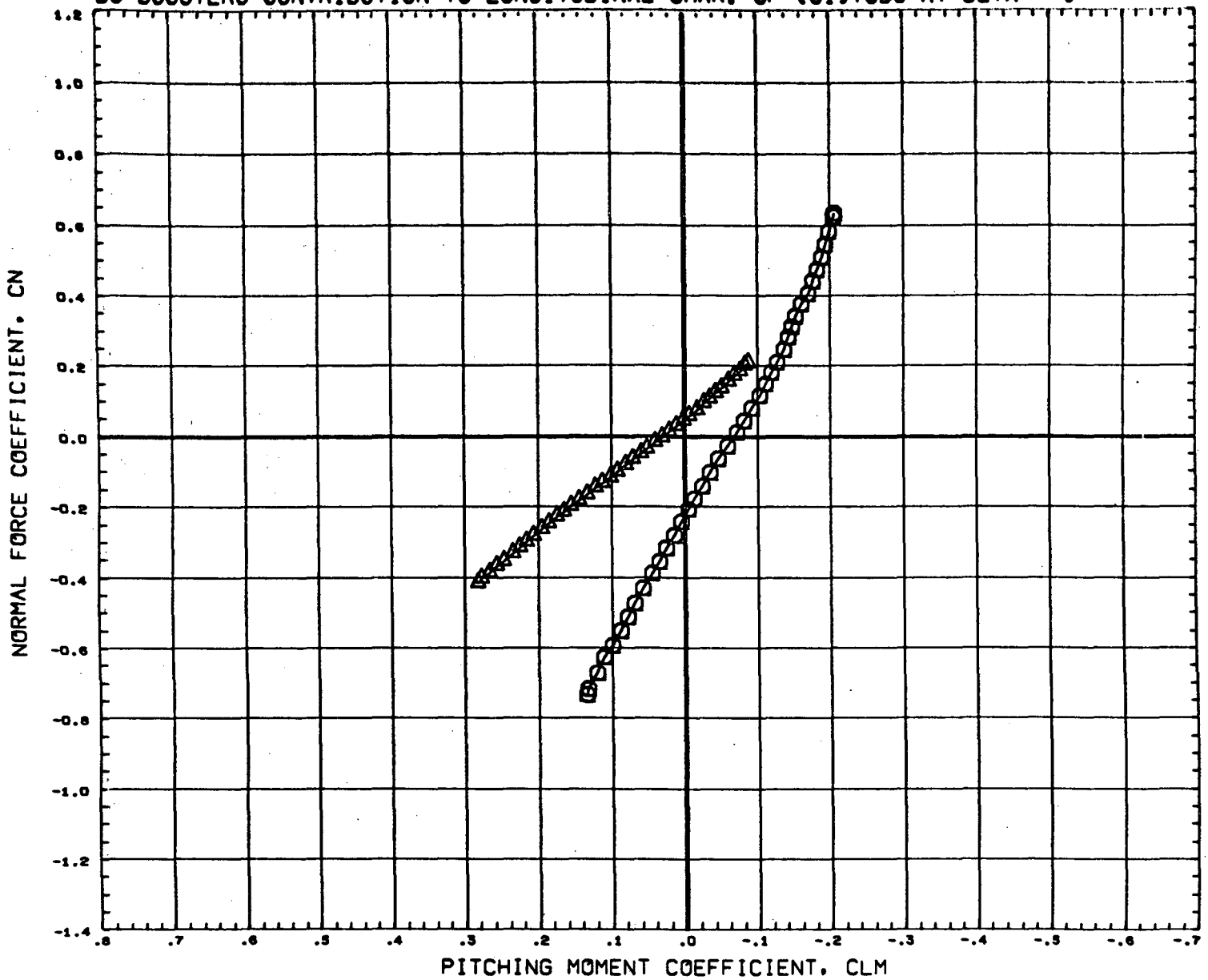


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7486)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD74B3)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

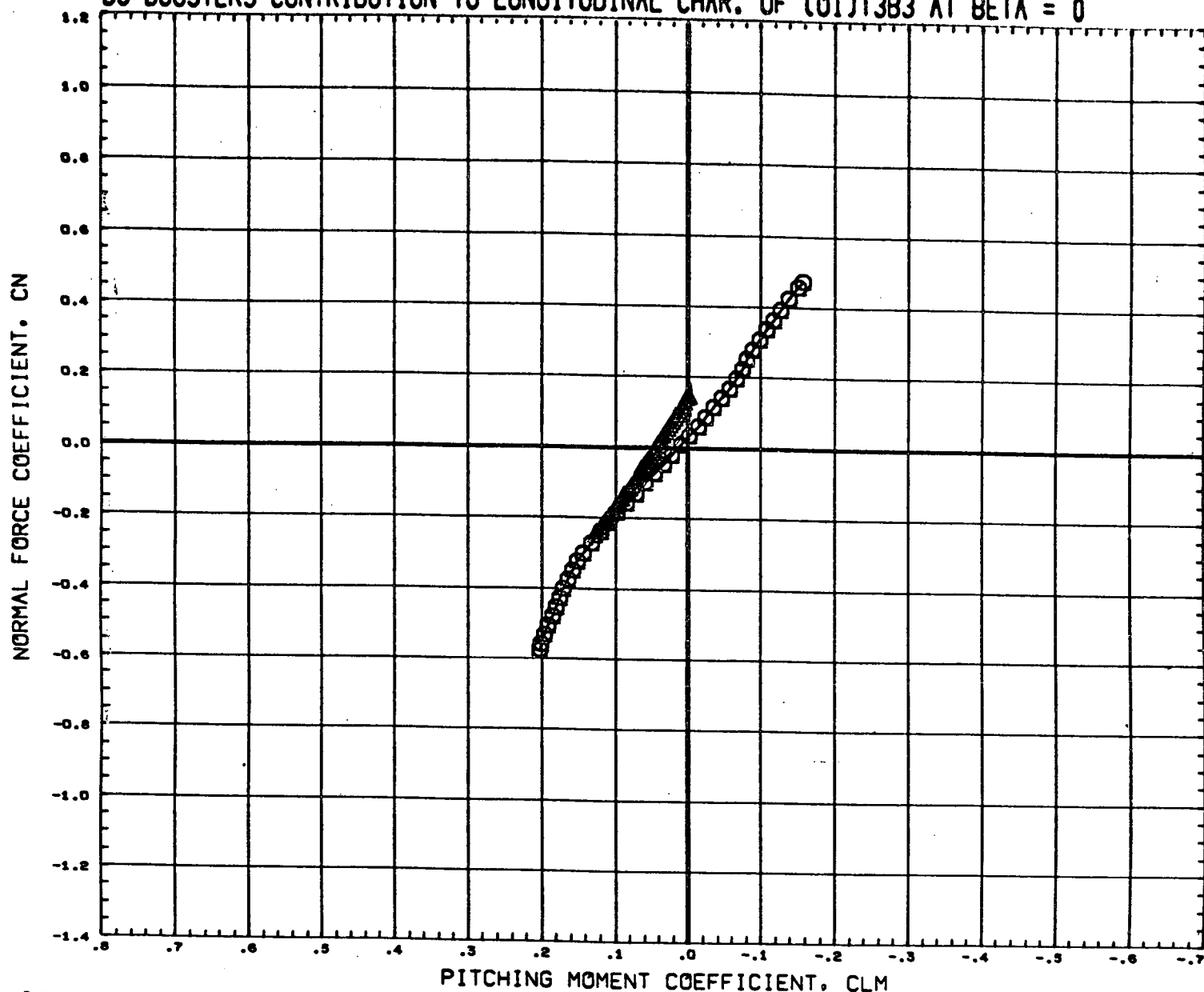


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (O1)T3B3 AT BETA = 0

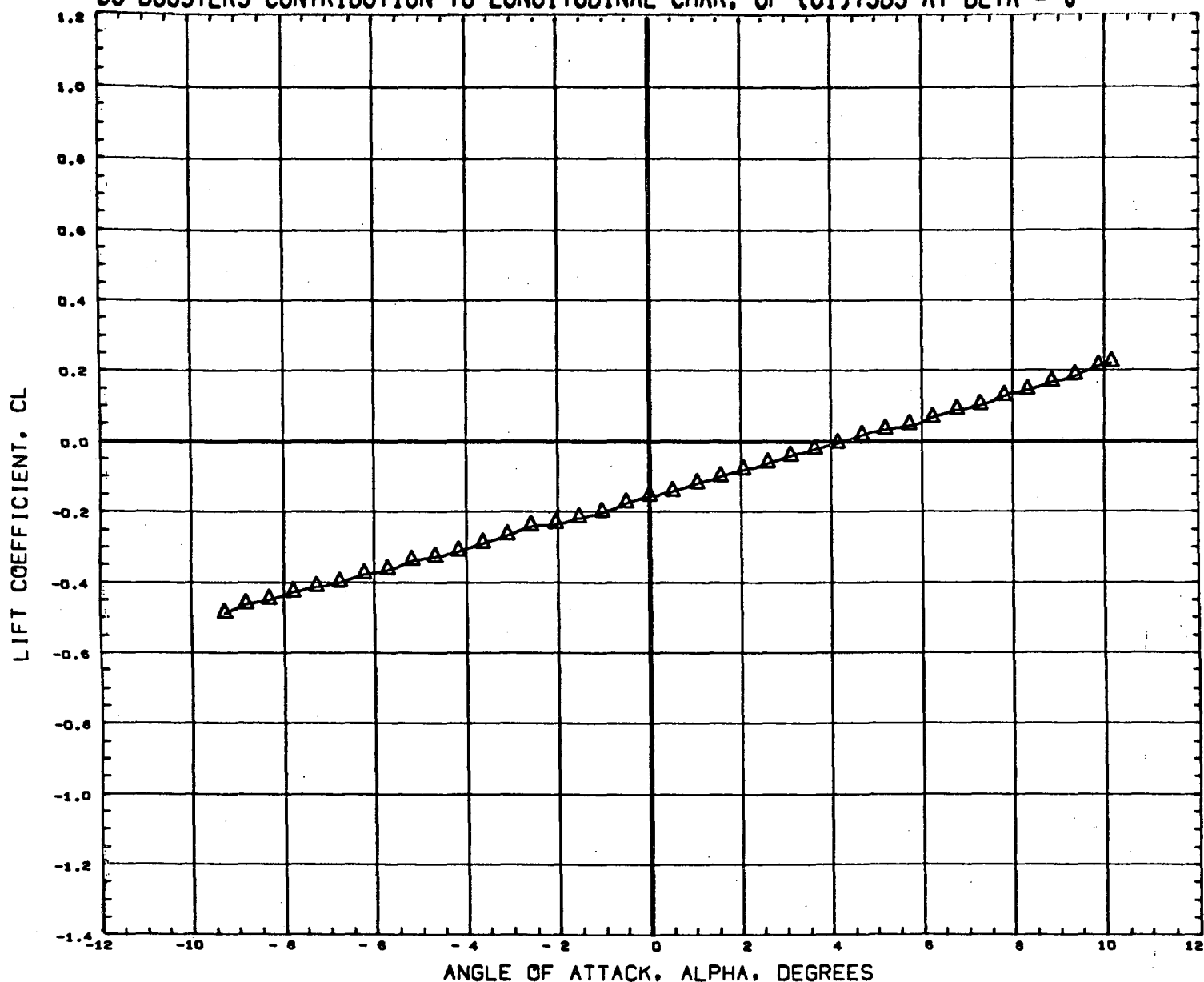


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) Q MDAC S-222 COMPOSITE (T-CG) (O1)T3B3
 (DD74B3) Δ MDAC S-222 COMPOSITE (T-CG) (O1)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



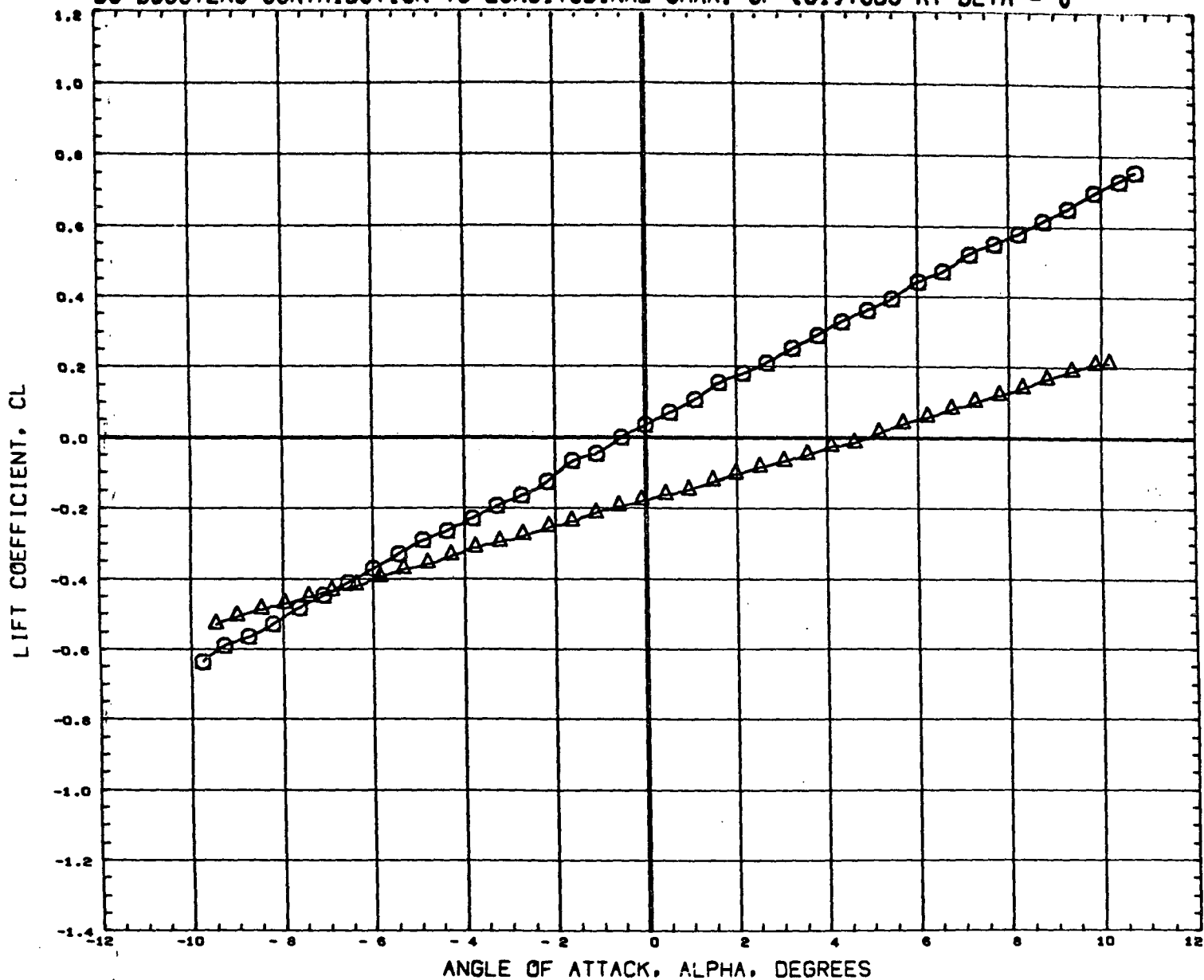
DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (DD7483) MDAC S-222 COMPOSITE (T-CG) (01) T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

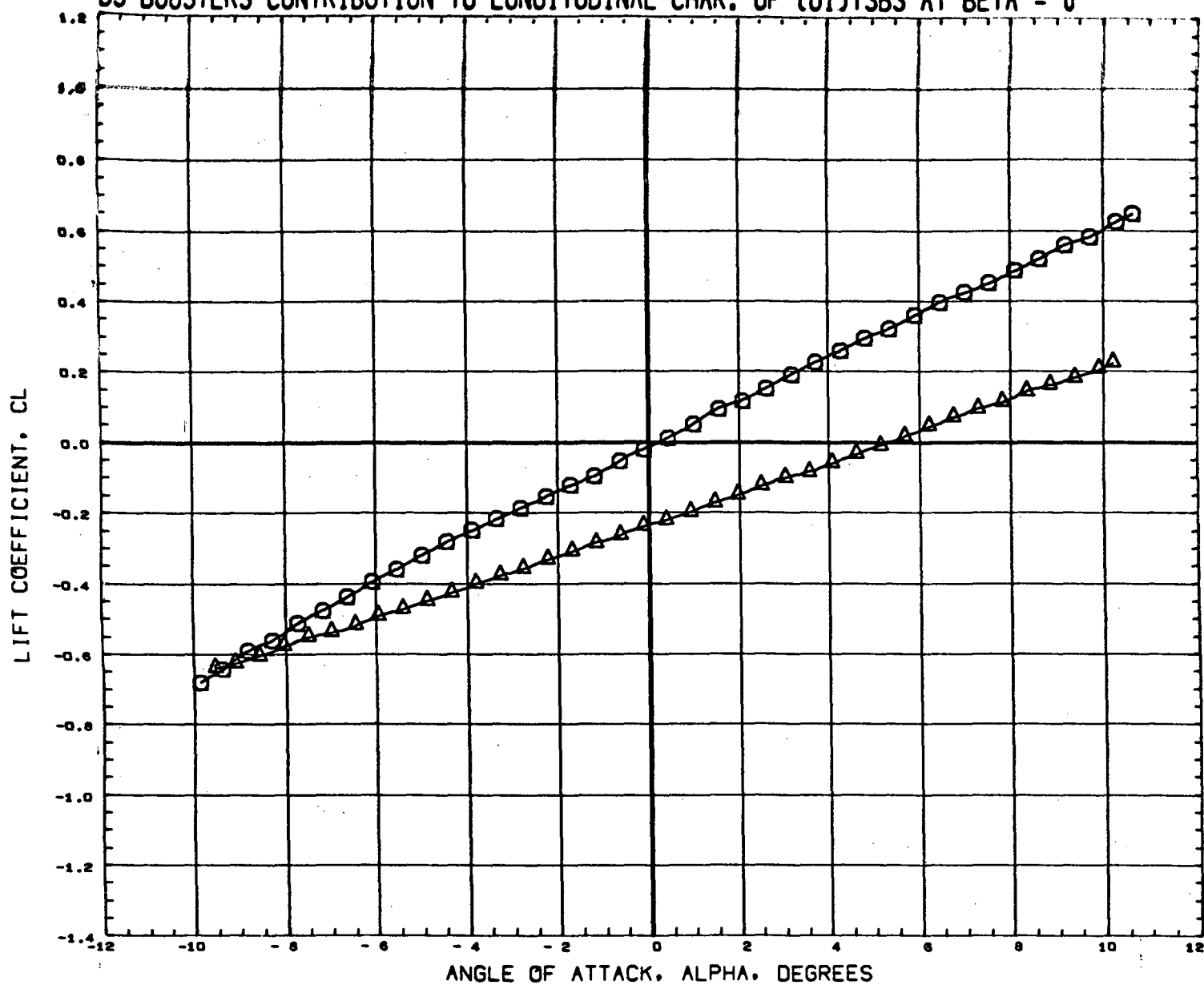


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

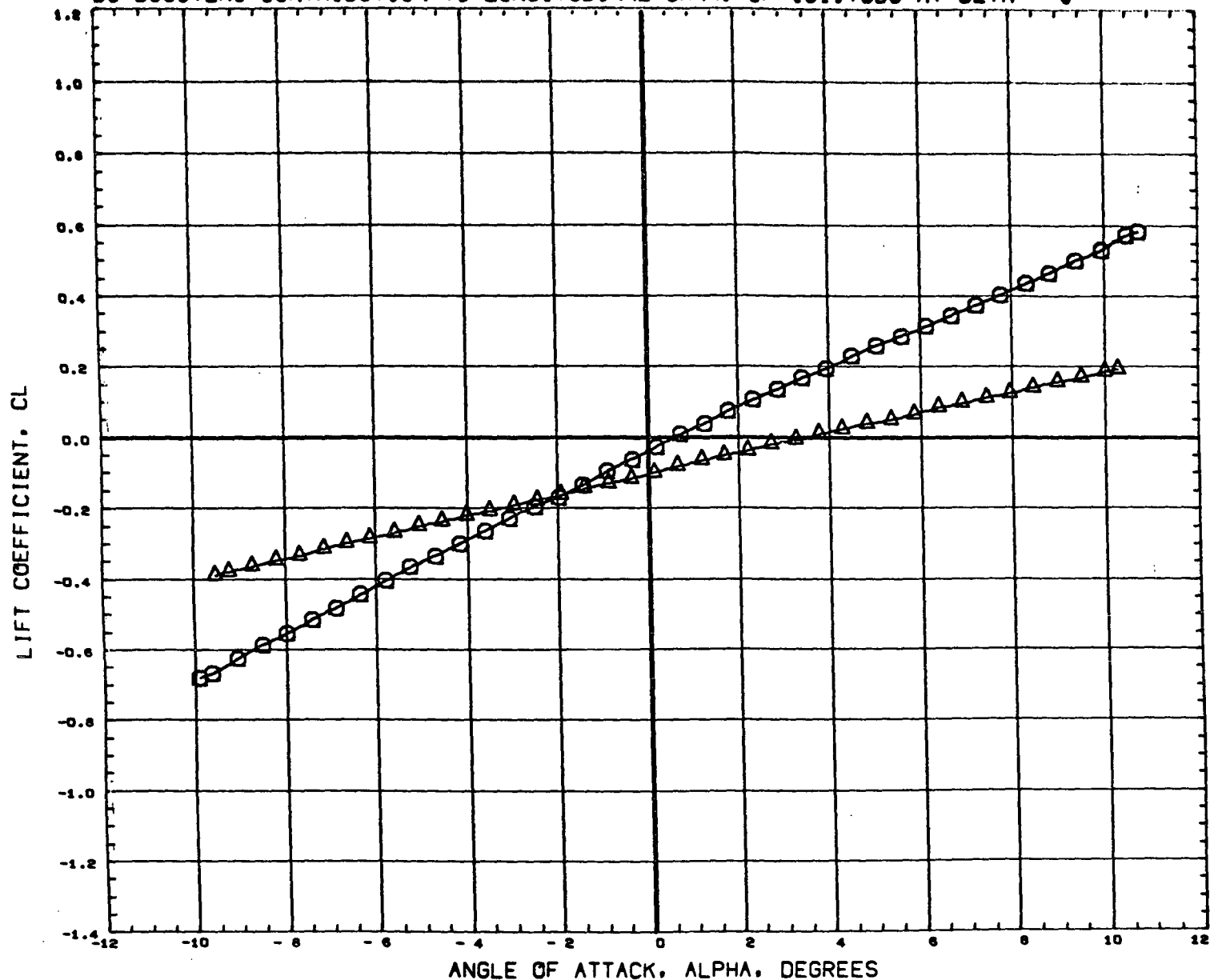


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XNRP	557.0004 IN.
						YNRP	0.0000 IN.
						ZNRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



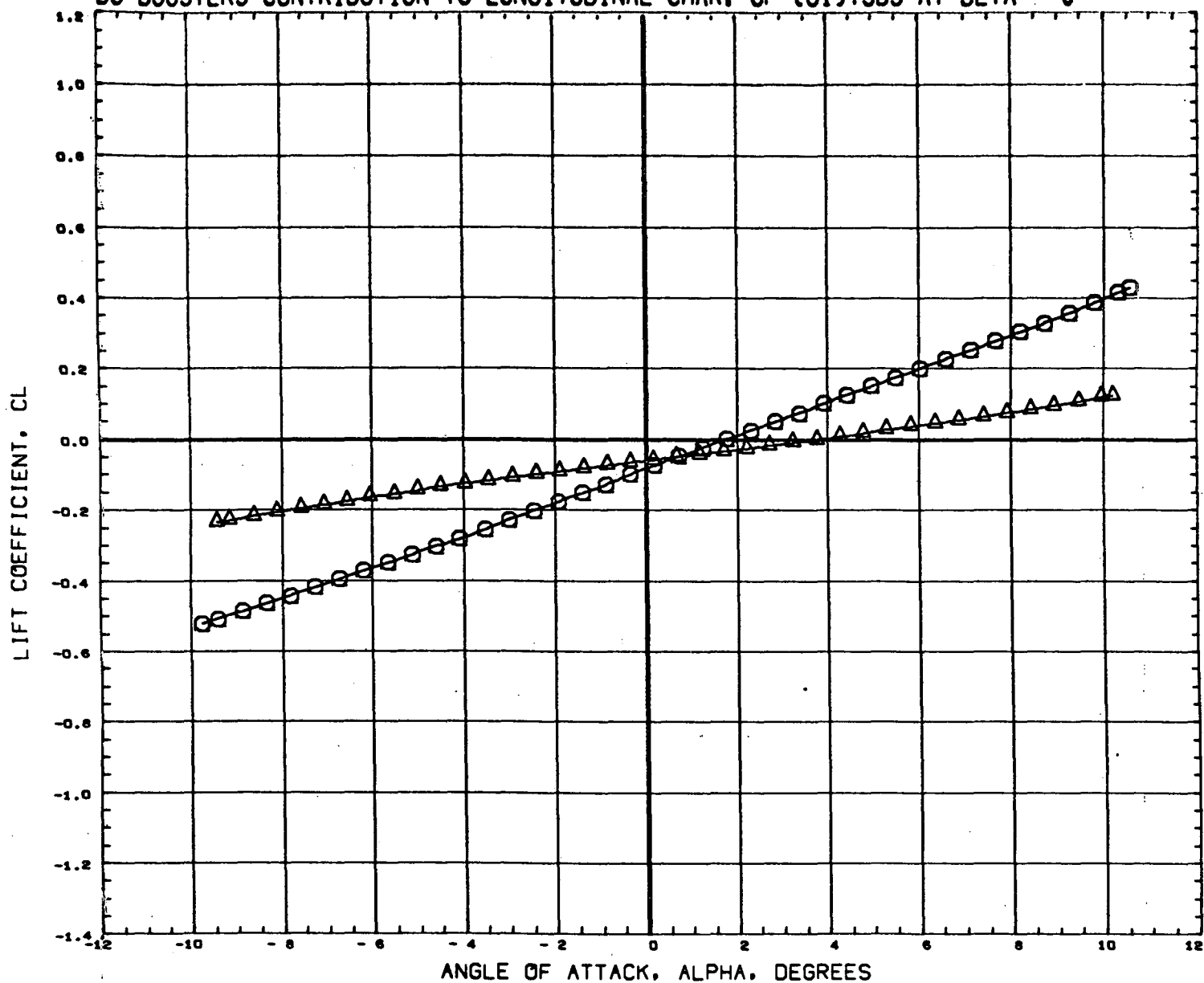
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) O MDAC S-222 COMPOSITE (T-CG) (01) T3B3
 (DD7483) Δ MDAC S-222 COMPOSITE (T-CG) (01) T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

PAGE 300

B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



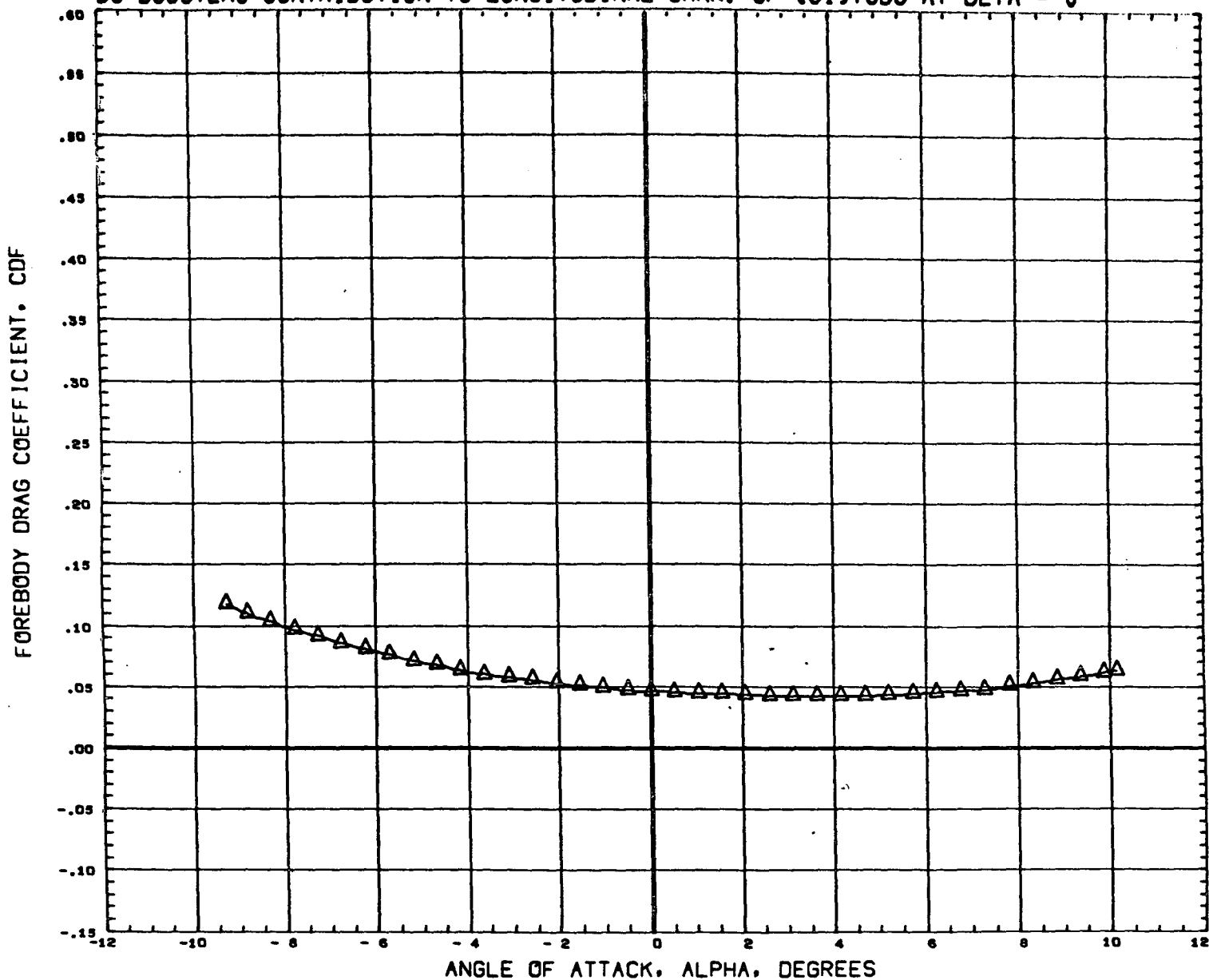
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) MDAC S-222 COMPOSITE (T-CG) (01) T3B3
 (DD7483) MDAC S-222 COMPOSITE (T-CG) (01) T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 301

B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



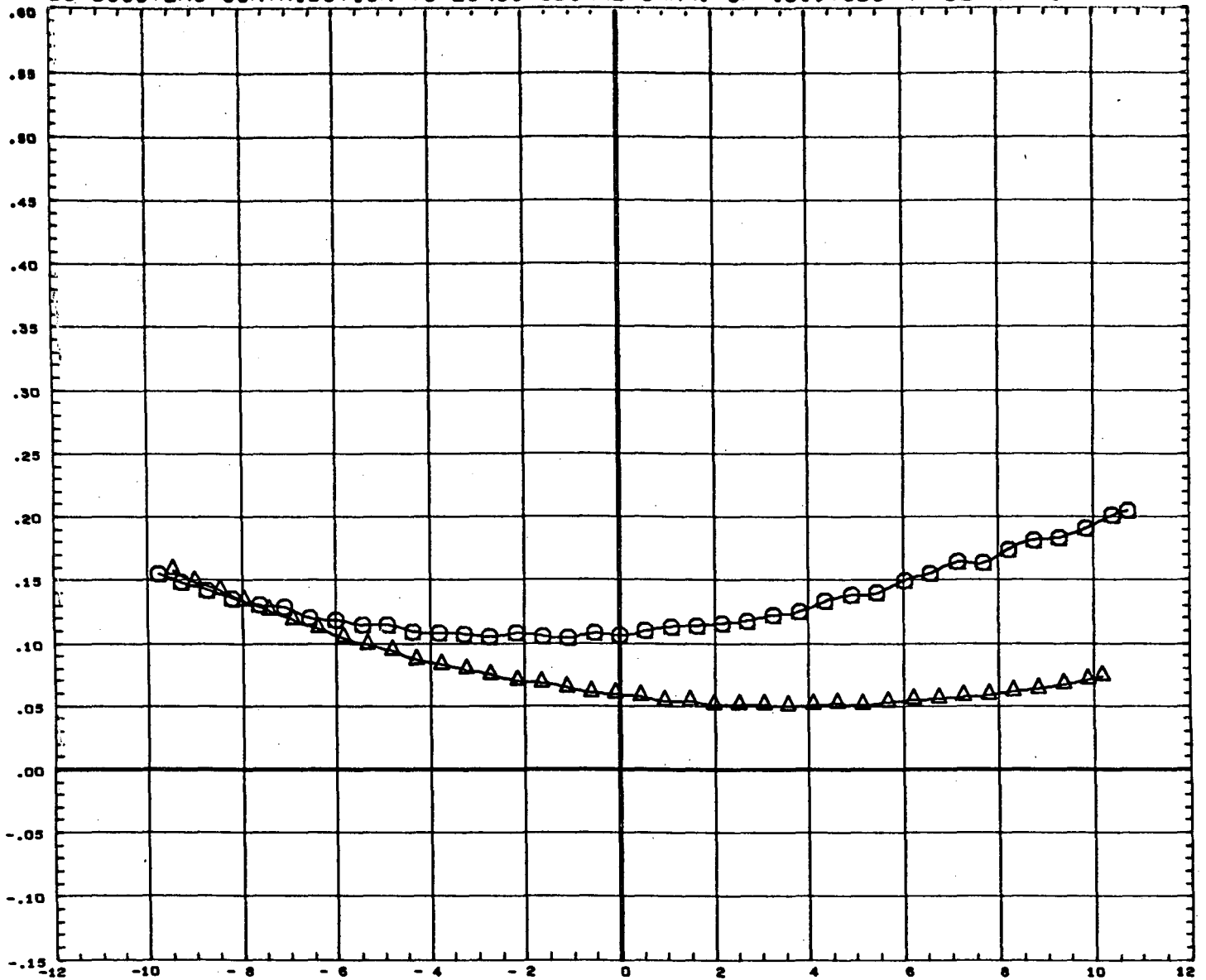
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE(T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



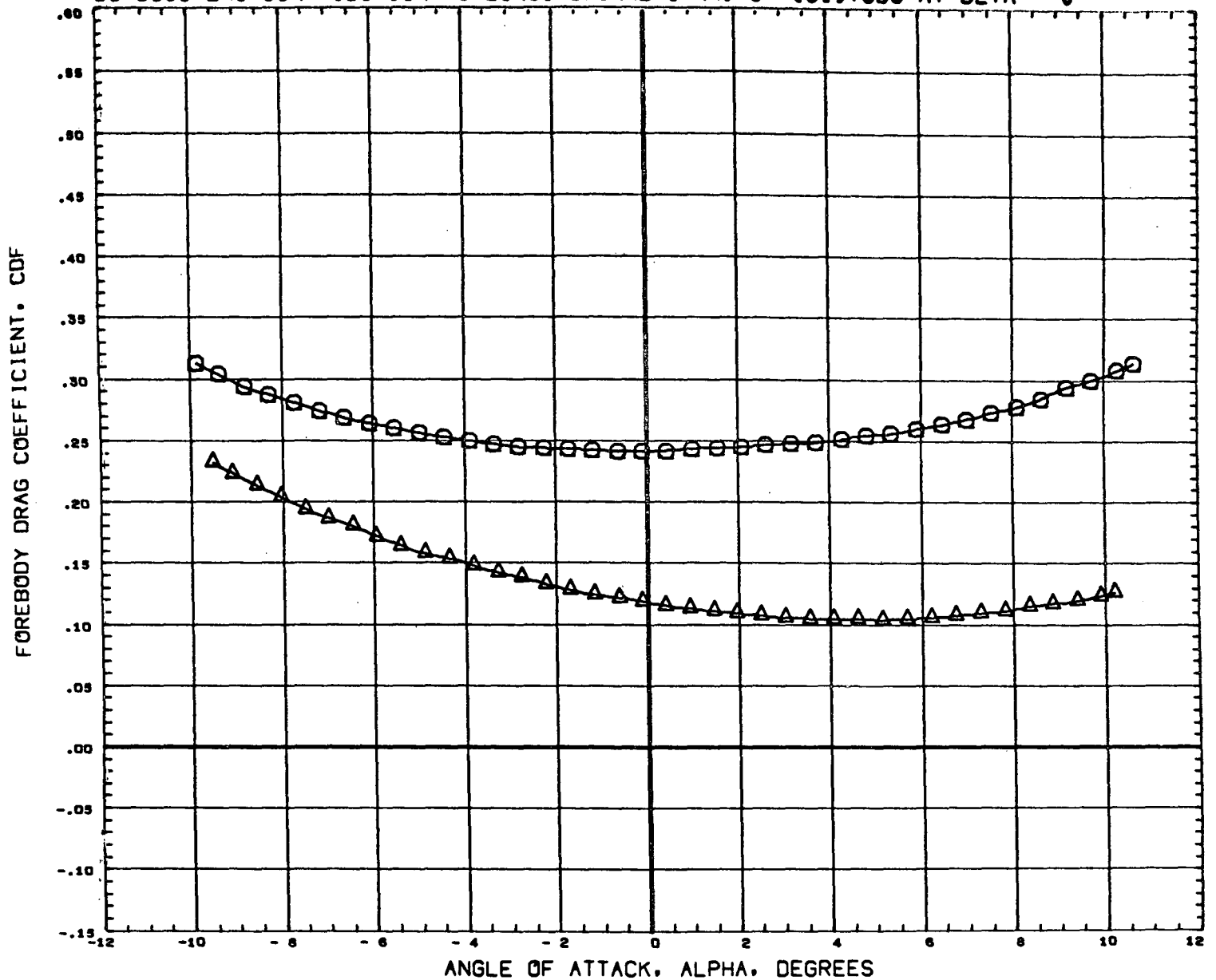
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(DD7488) (01)T3B3
(DD7483) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .90

PAGE 303

B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

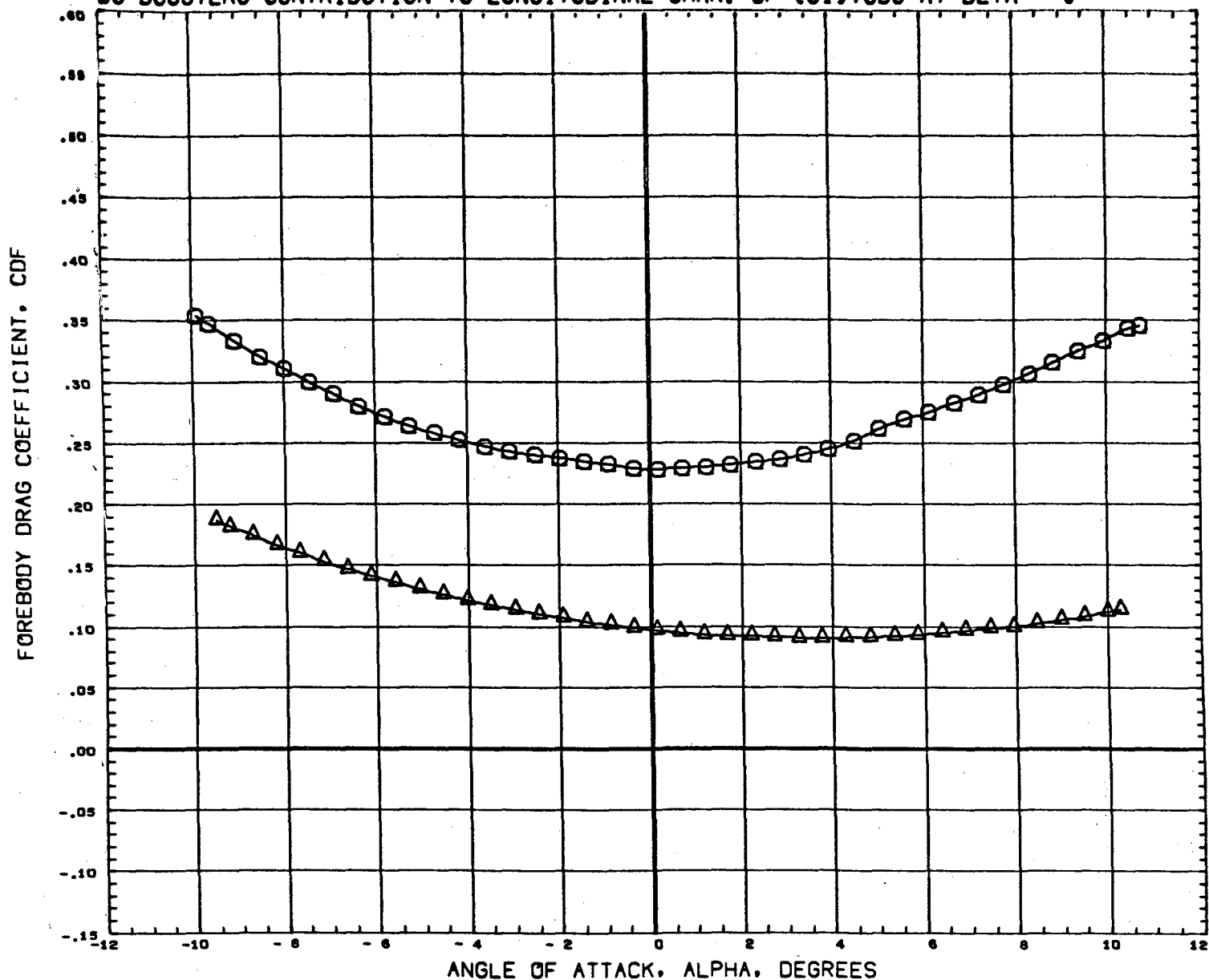




DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-C6) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-C6) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



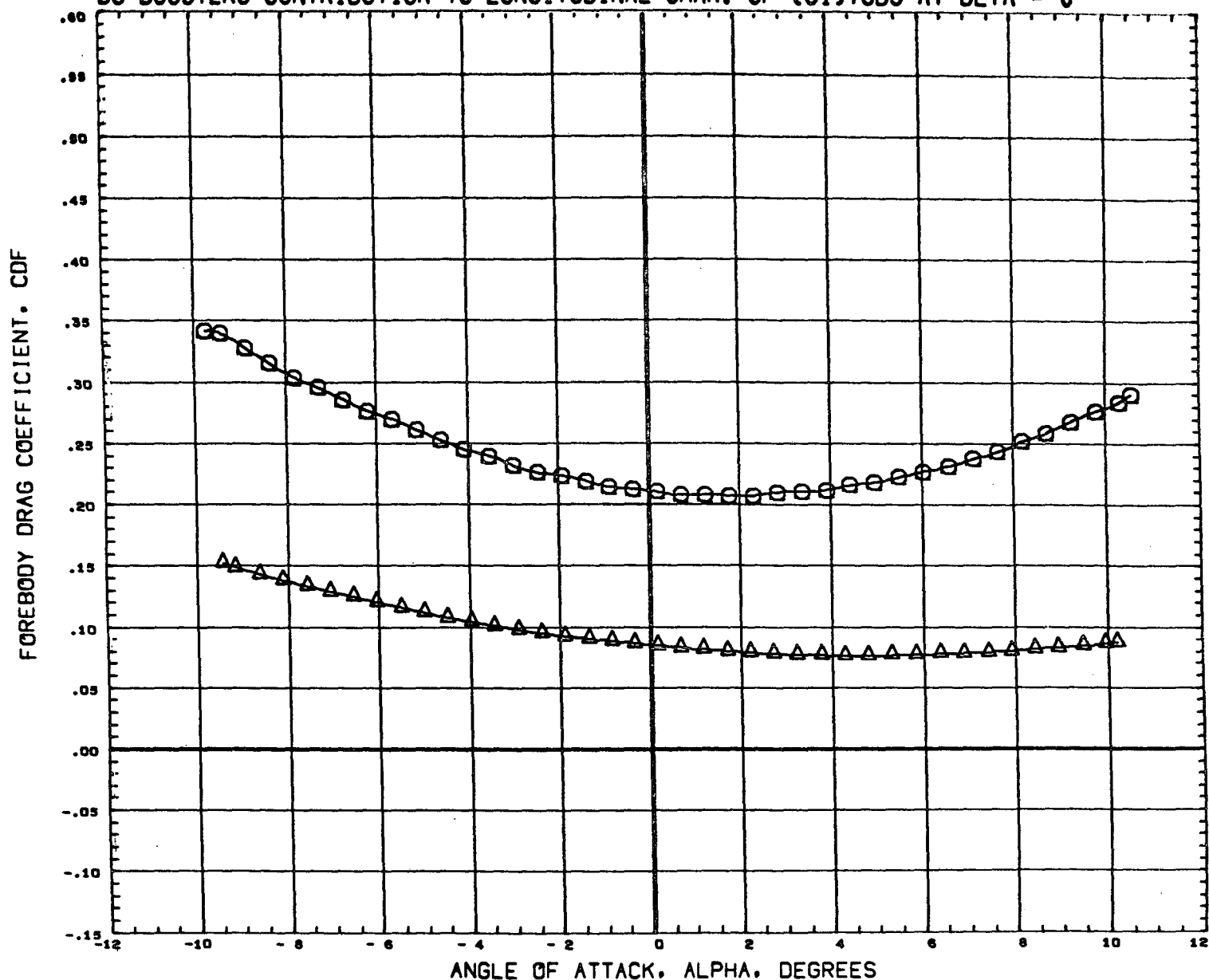
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488) 	MDAC S-222 COMPOSITE(T-CG) (01)T3B3
(DD7483) 	MDAC S-222 COMPOSITE(T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



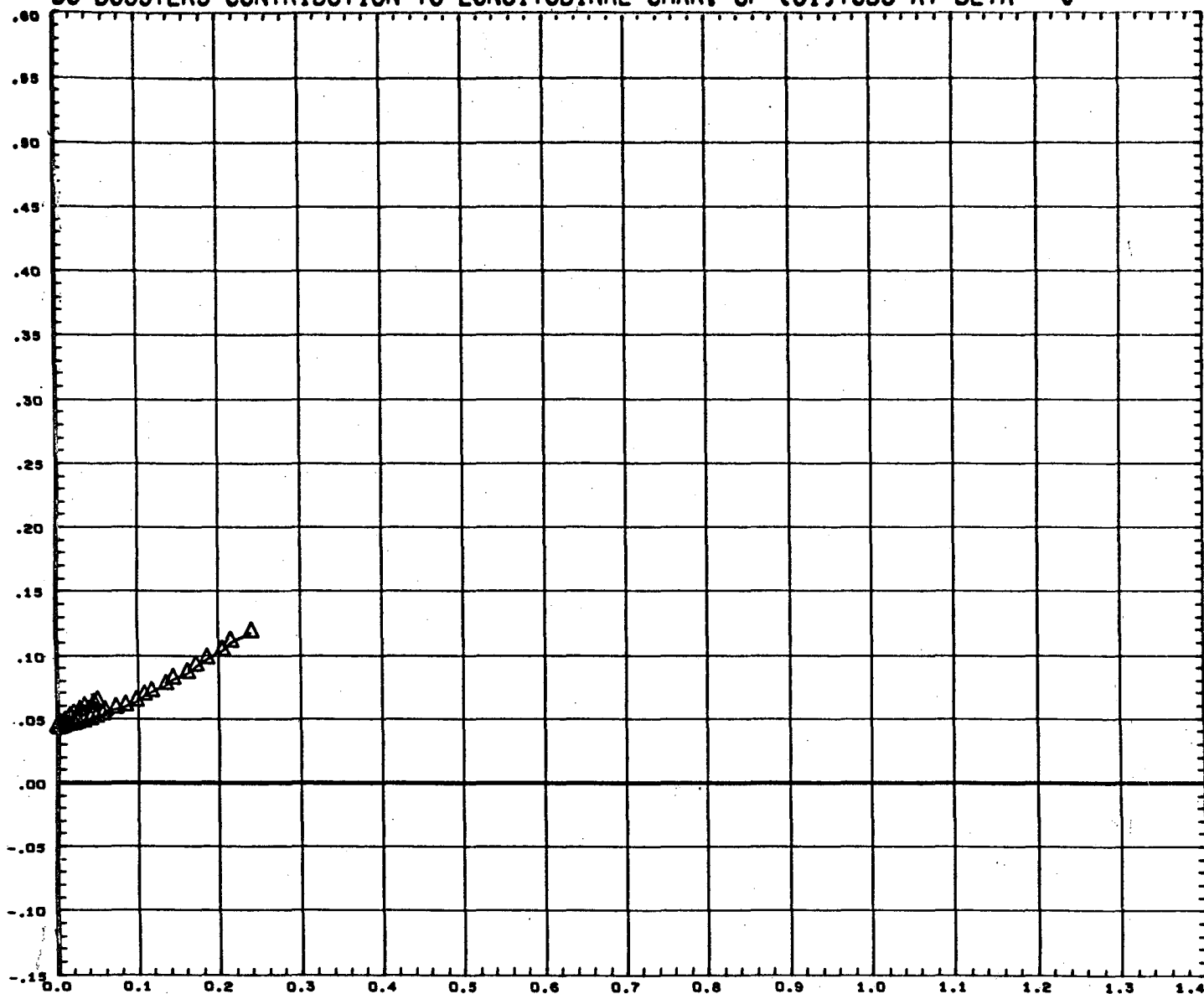
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	Q MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	Q MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

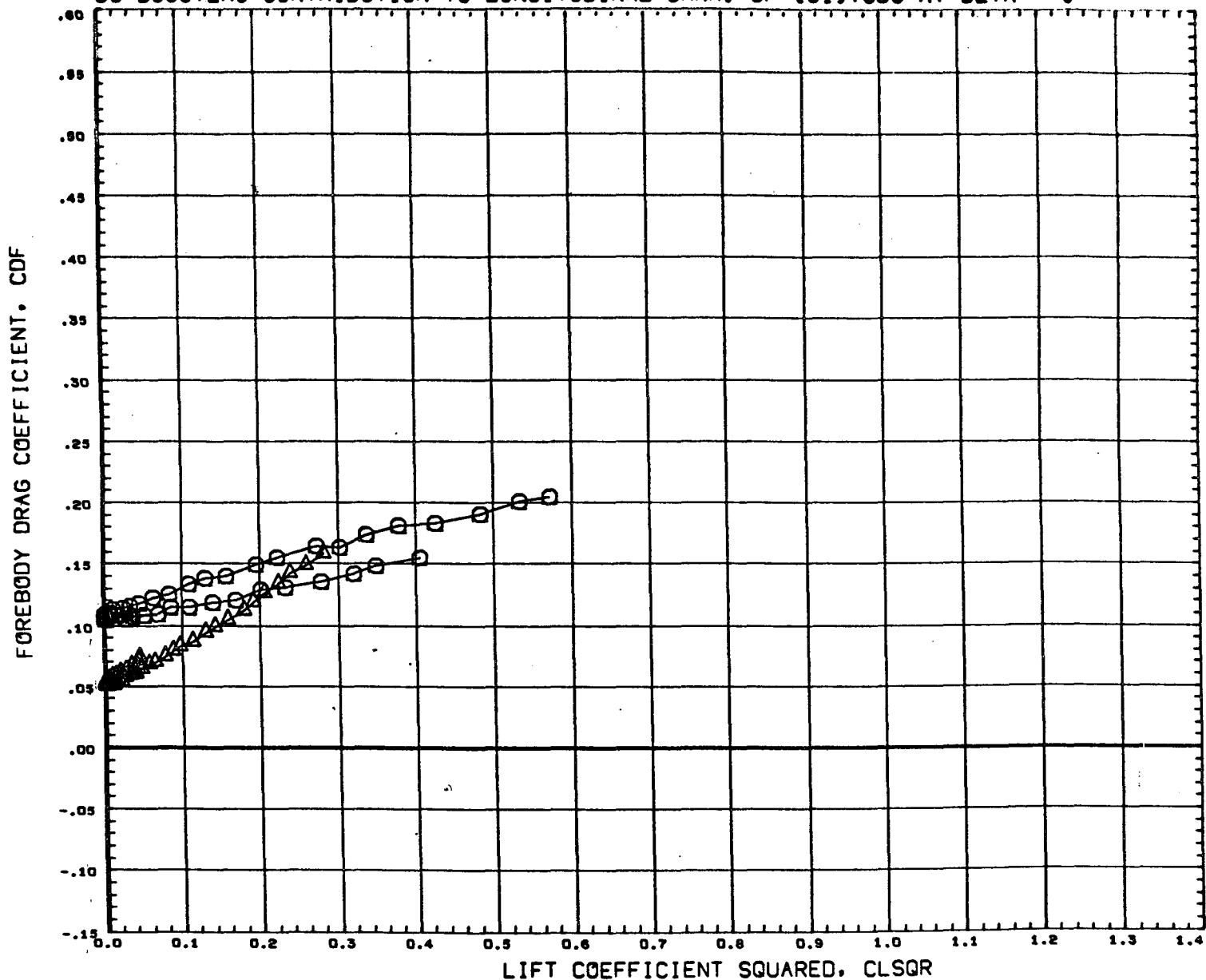
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) \square DATA NOT AVAILABLE FOR ALL CONDITIONS
 (DD7483) \triangle MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

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83 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(DD7488) (01)T3B3 MDAC S-222 COMPOSITE (T-CG)
(DD7483) (01)T3 MDAC S-222 COMPOSITE (T-CG)

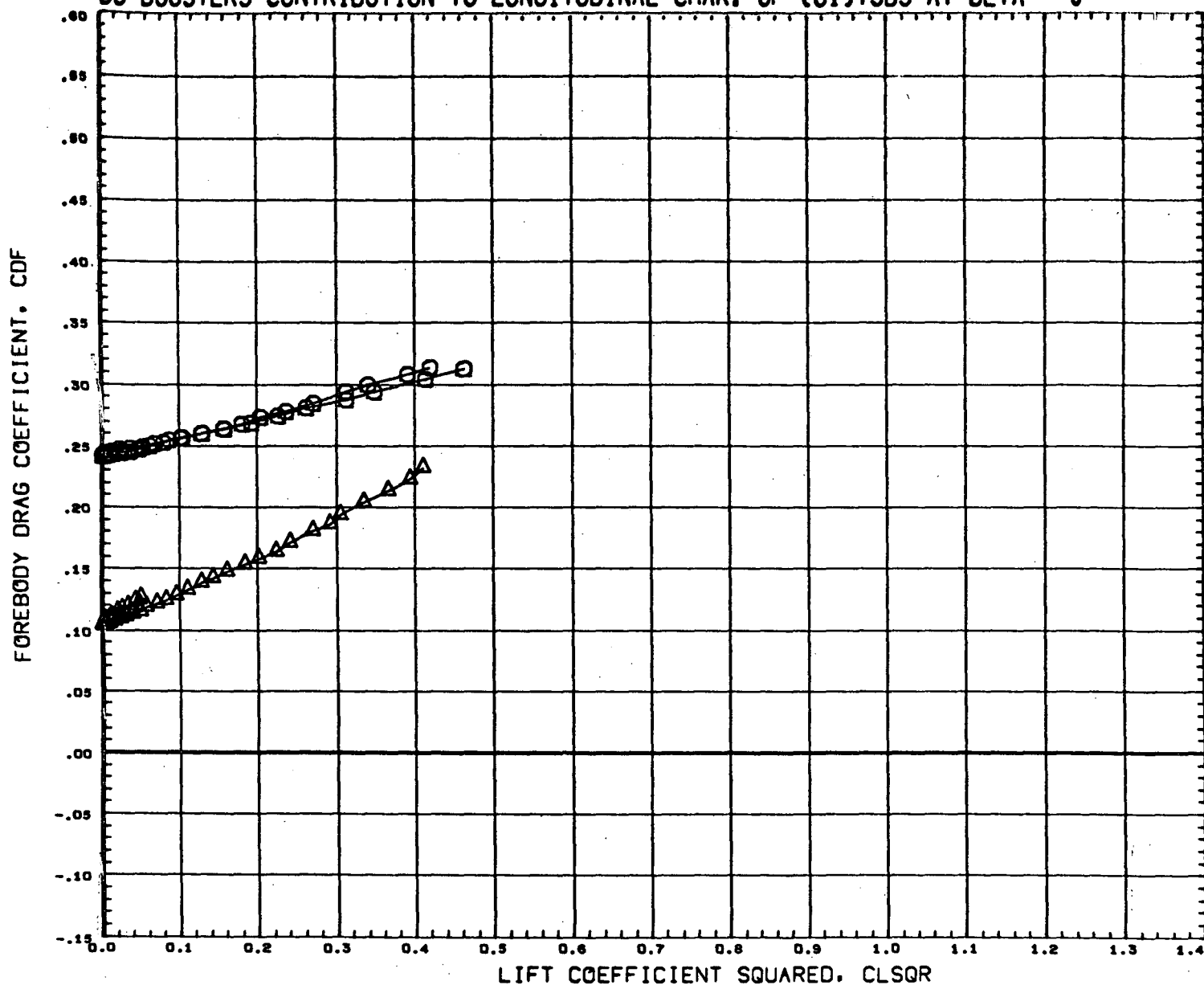
BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



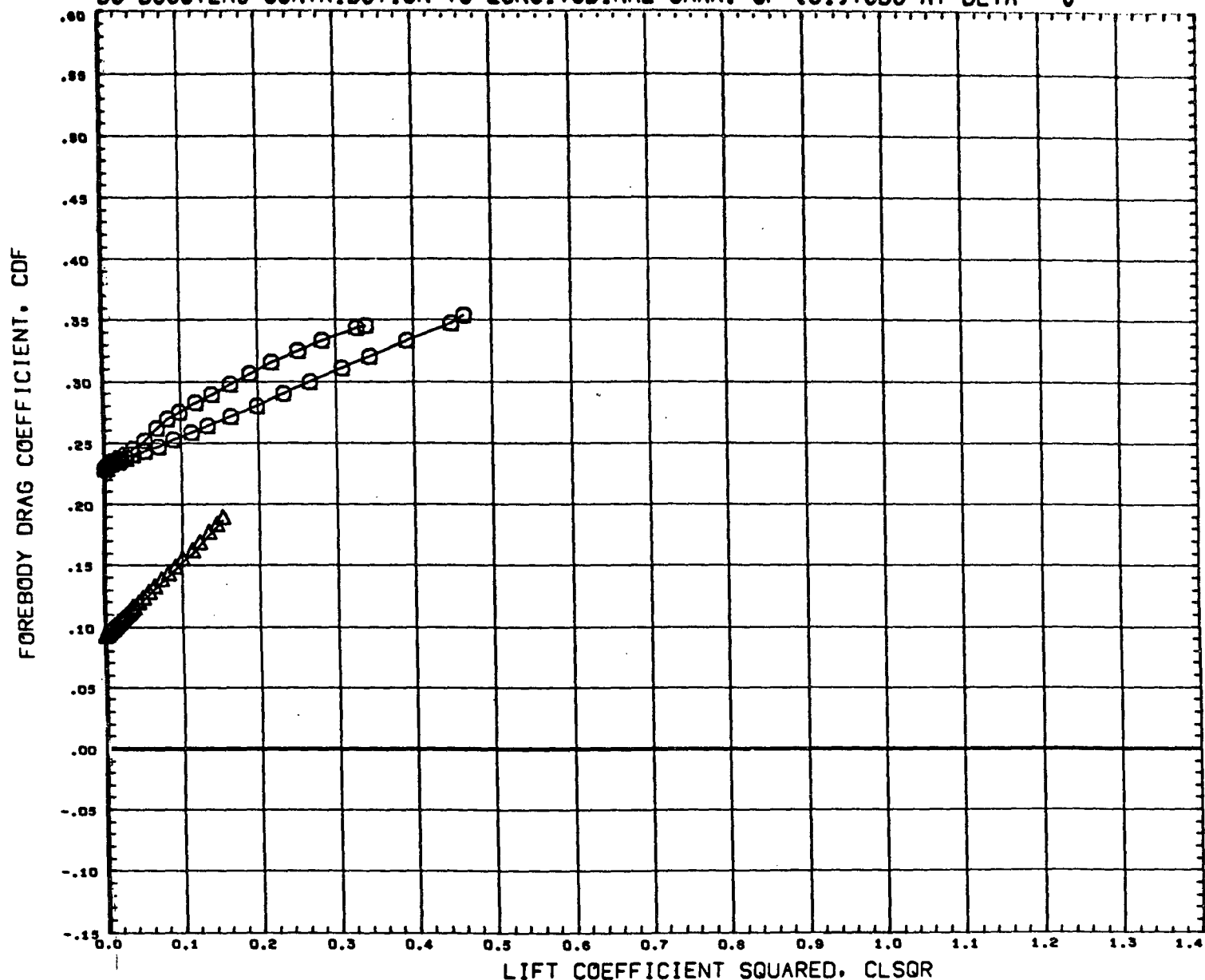
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) (0) MDAC S-222 COMPOSITE (T-CG) (01) T3B3
 (DD7483) (1) MDAC S-222 COMPOSITE (T-CG) (01) T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

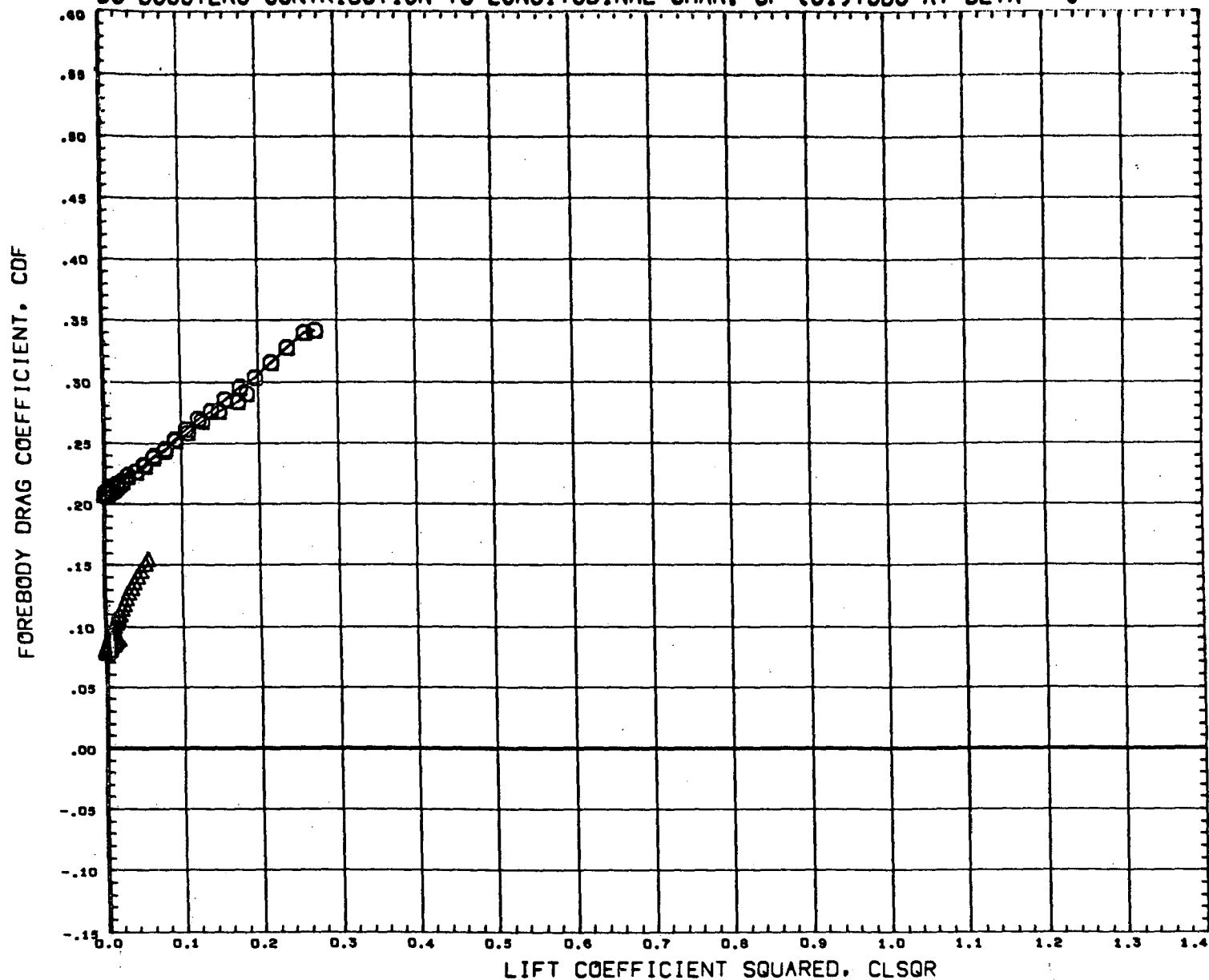


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) (01)T3B3
 (DD7483) (01)T3

BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

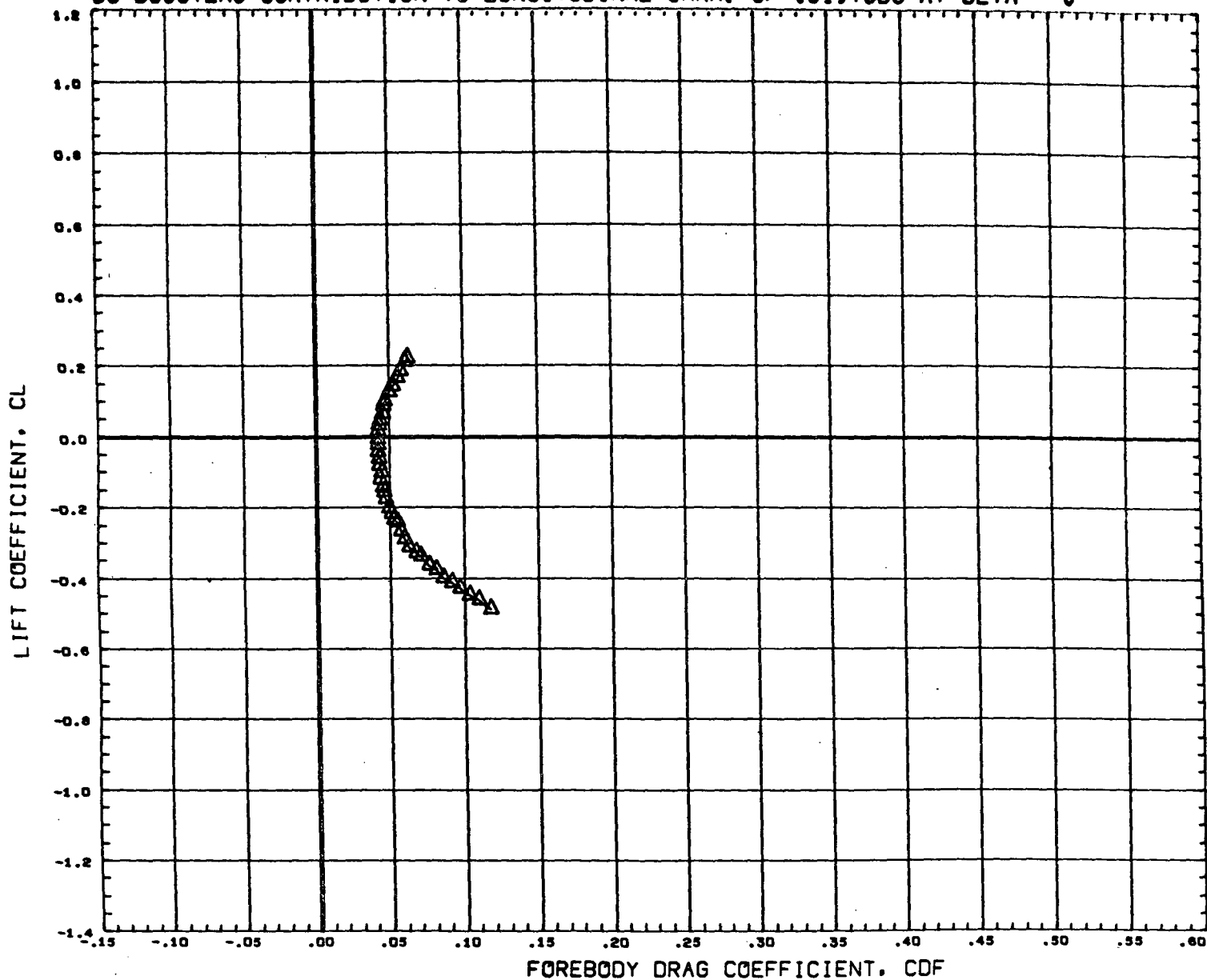
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH

4.47

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



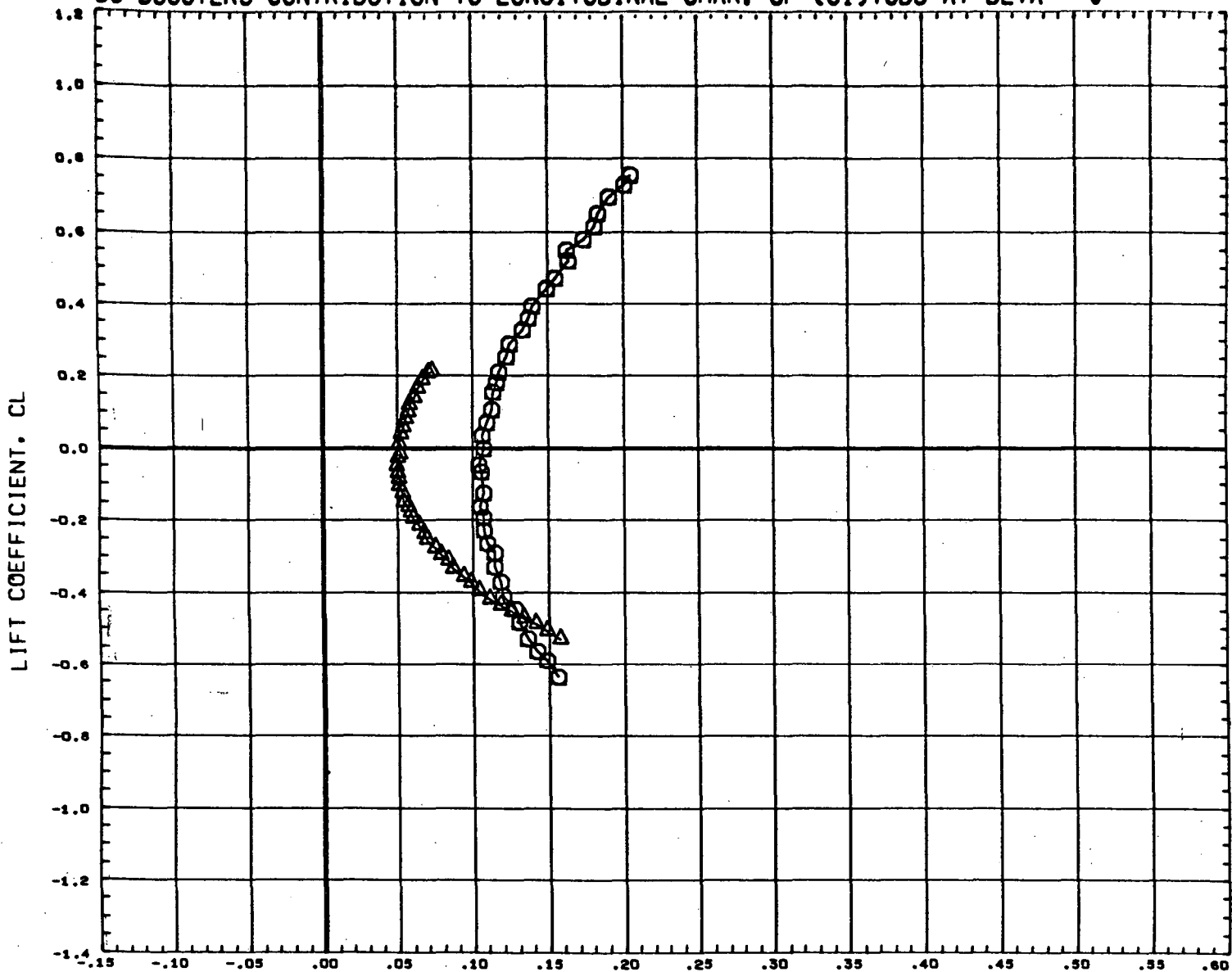
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) Q DATA NOT AVAILABLE FOR ALL CONDITIONS
 (DD7483) Q MDAC S-222 COMPOSITE(T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

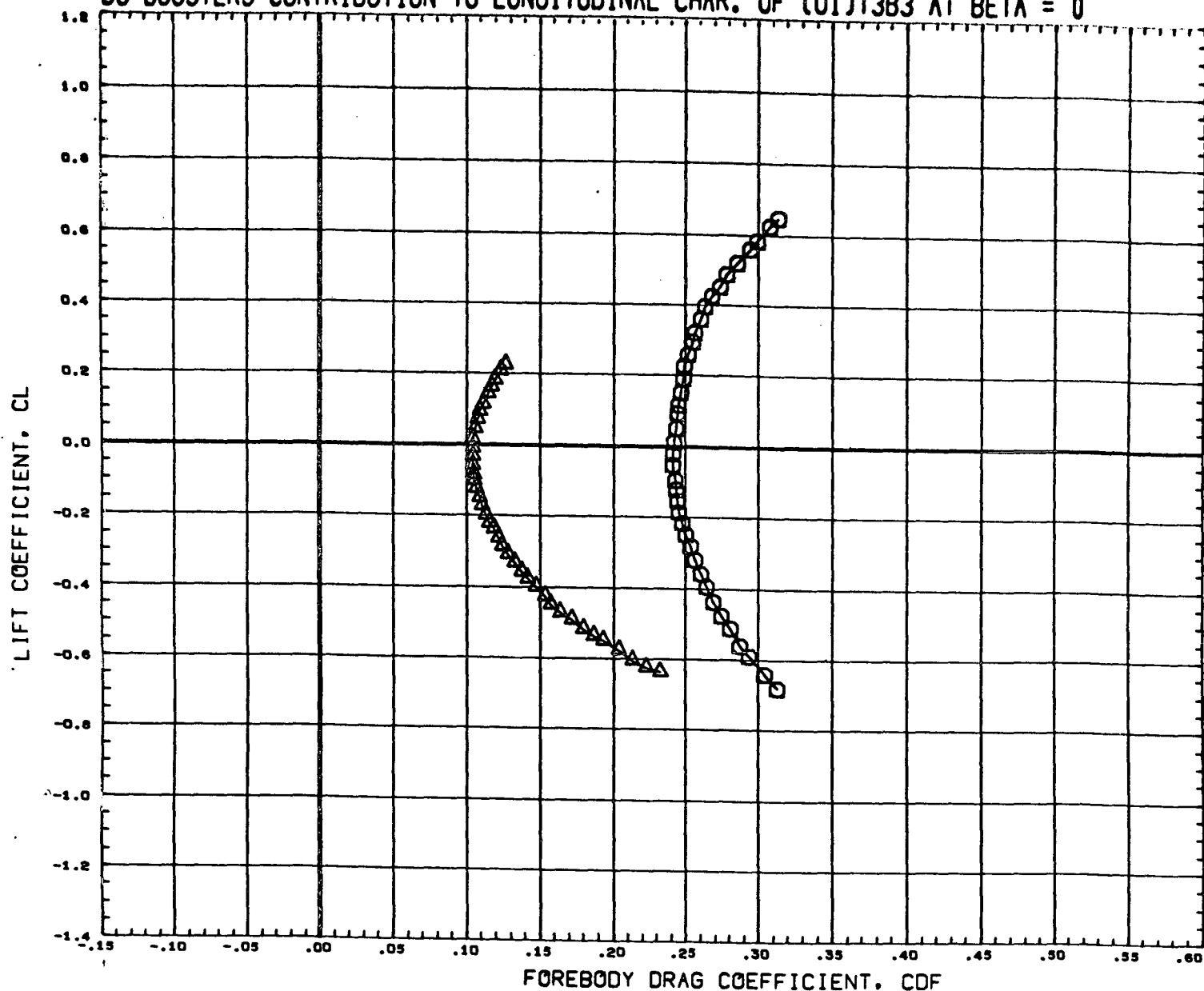
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) ○ MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (DD74B3) △ MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

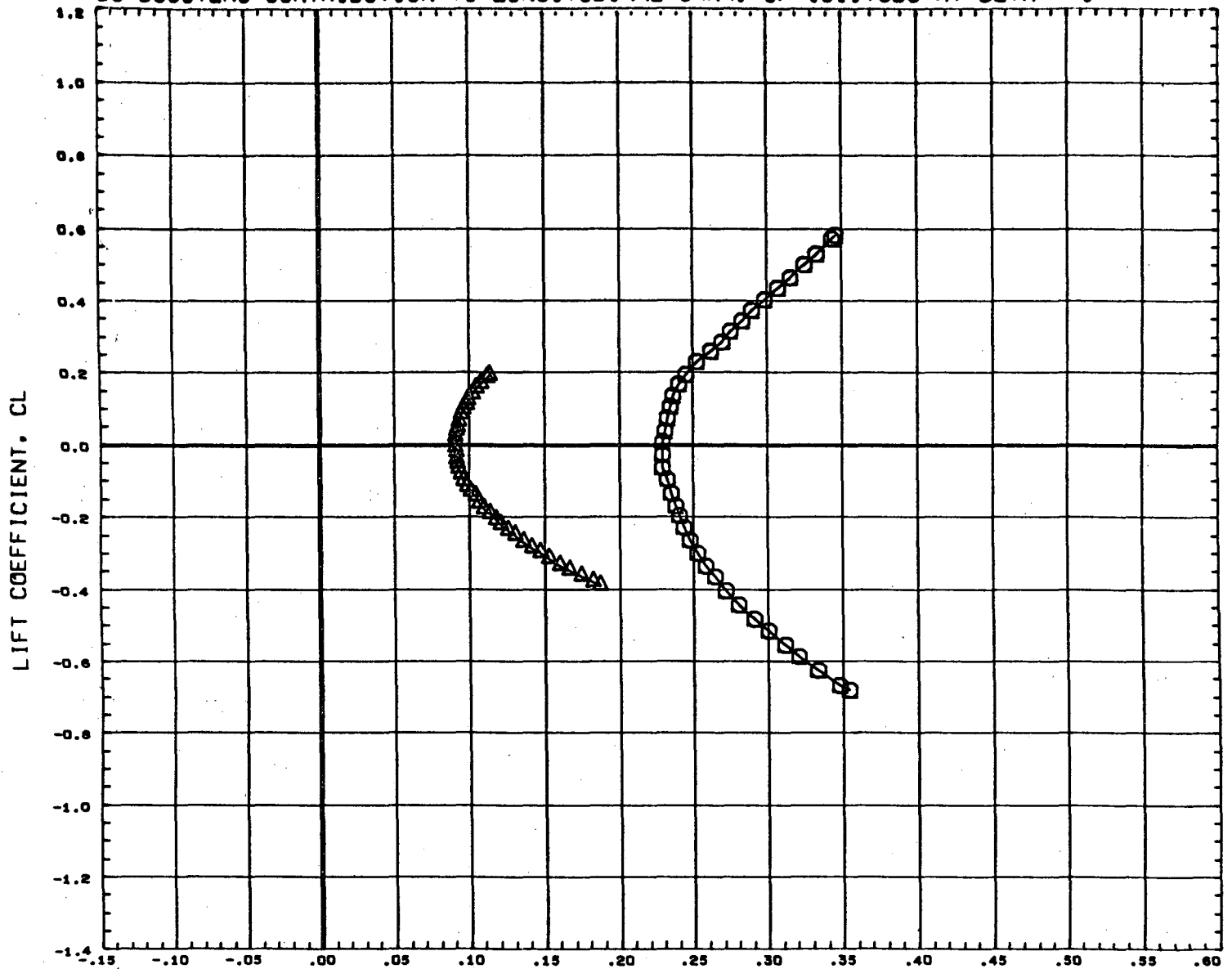


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) (01)T3B3
 (DD74B3) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.10

B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7486) (01)T3B3 MDAC S-222 COMPOSITE (T-CG)
 (DD7483) (01)T3 MDAC S-222 COMPOSITE (T-CG)

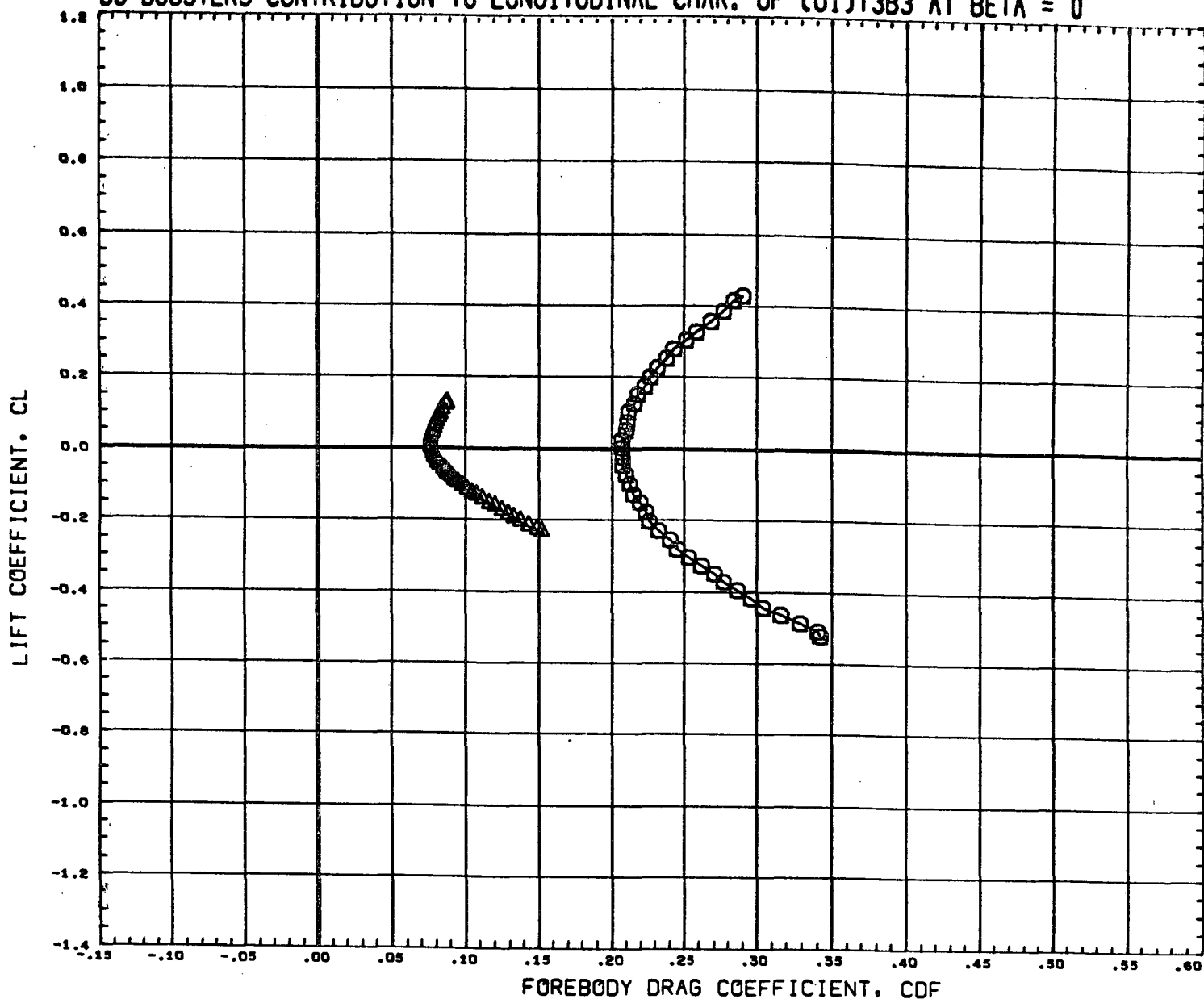
FOREBODY DRAG COEFFICIENT, CDF

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

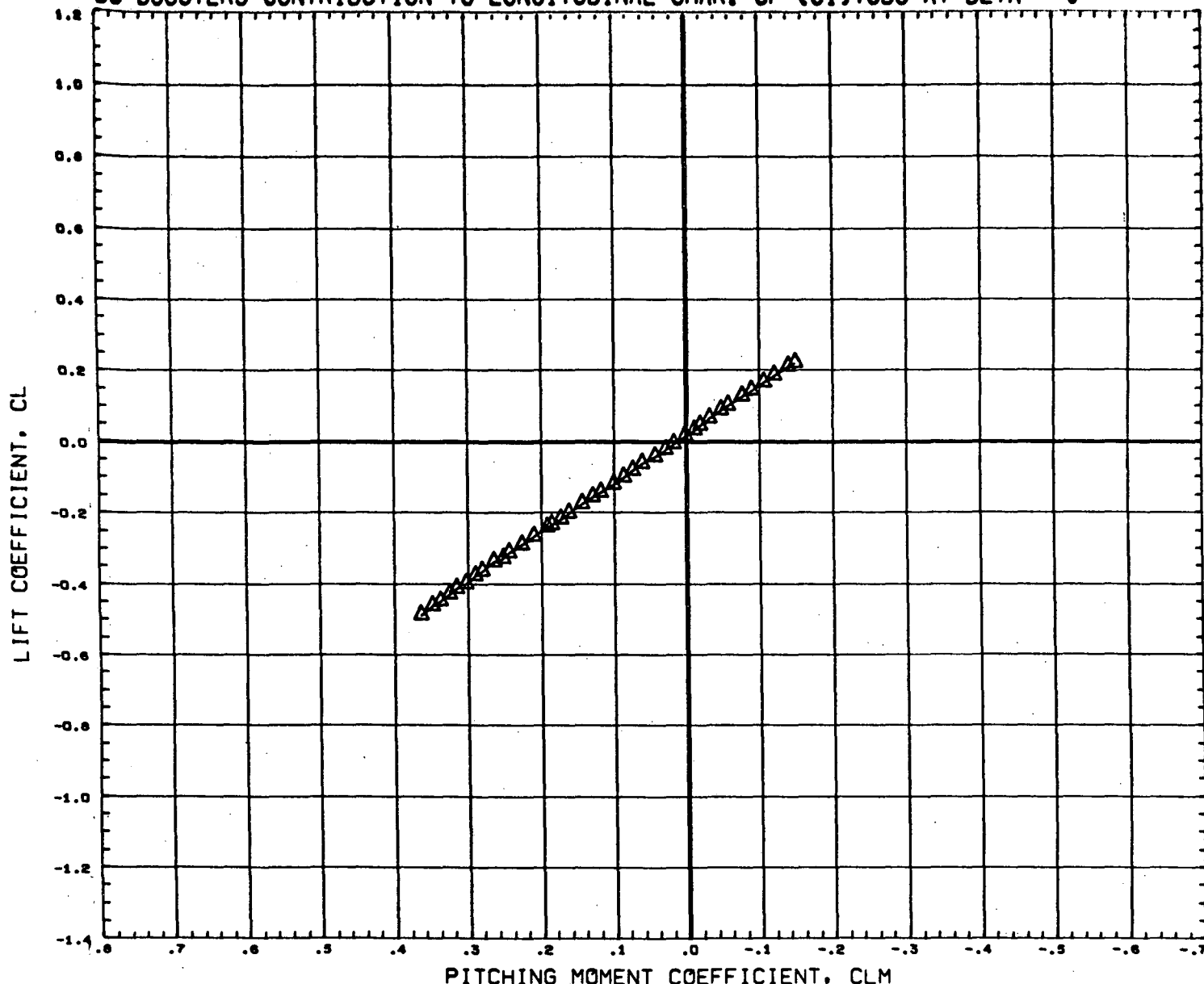


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (O1)T3B3 AT BETA = 0



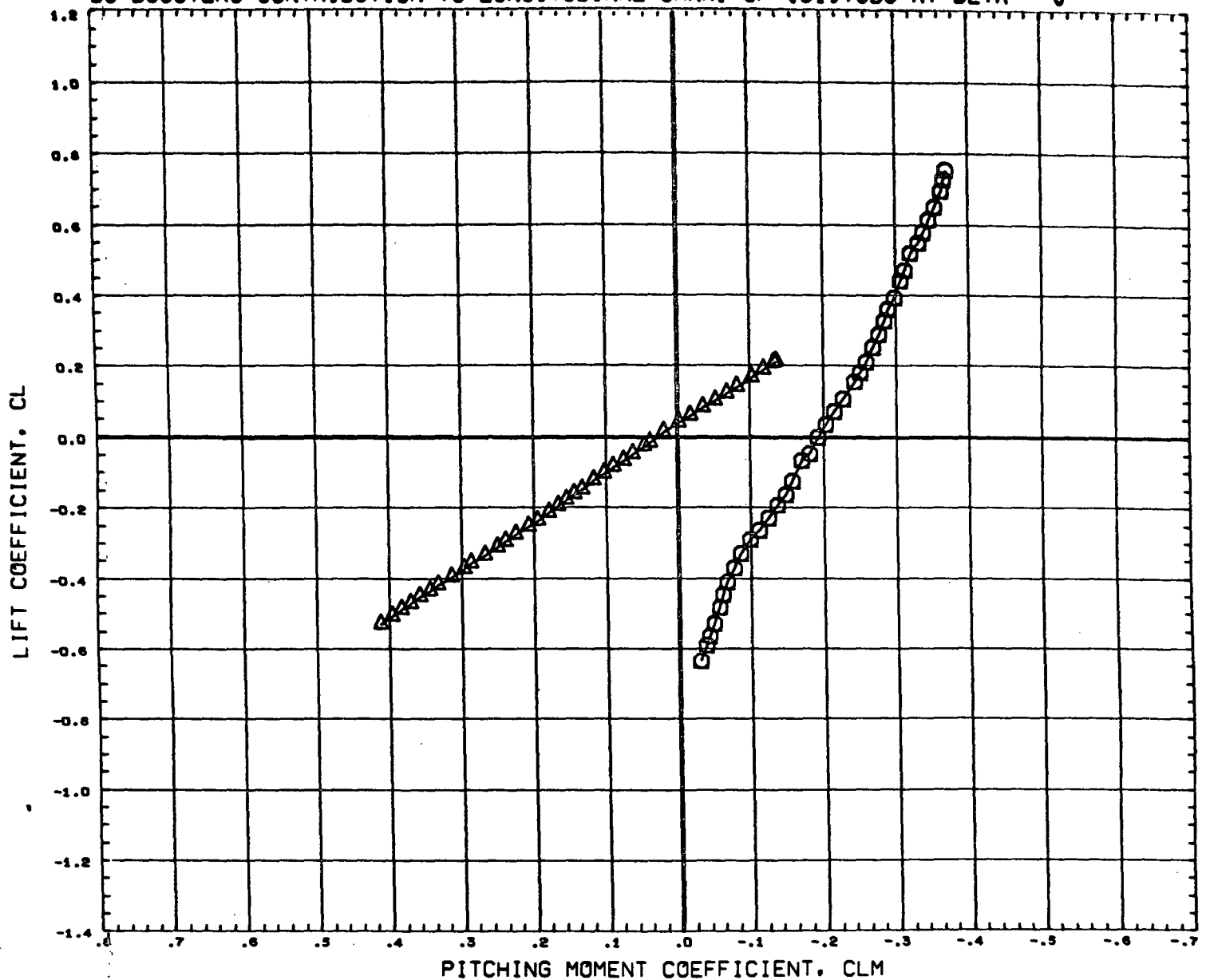
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (DD7488) DATA NOT AVAILABLE FOR ALL CONDITIONS
 (DD7483) MDAC S-222 COMPOSITE (T-CG) (O1)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .59

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

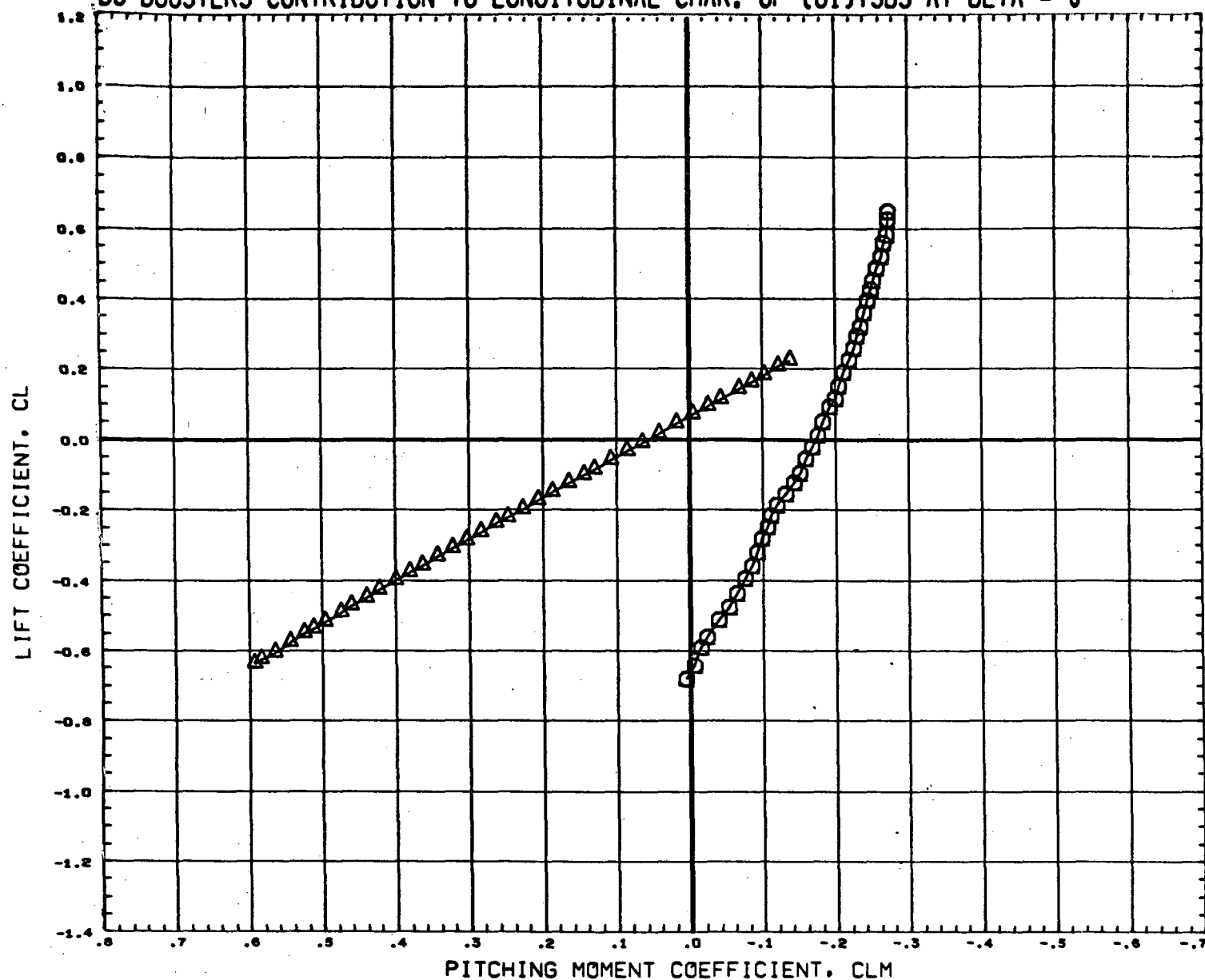


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0

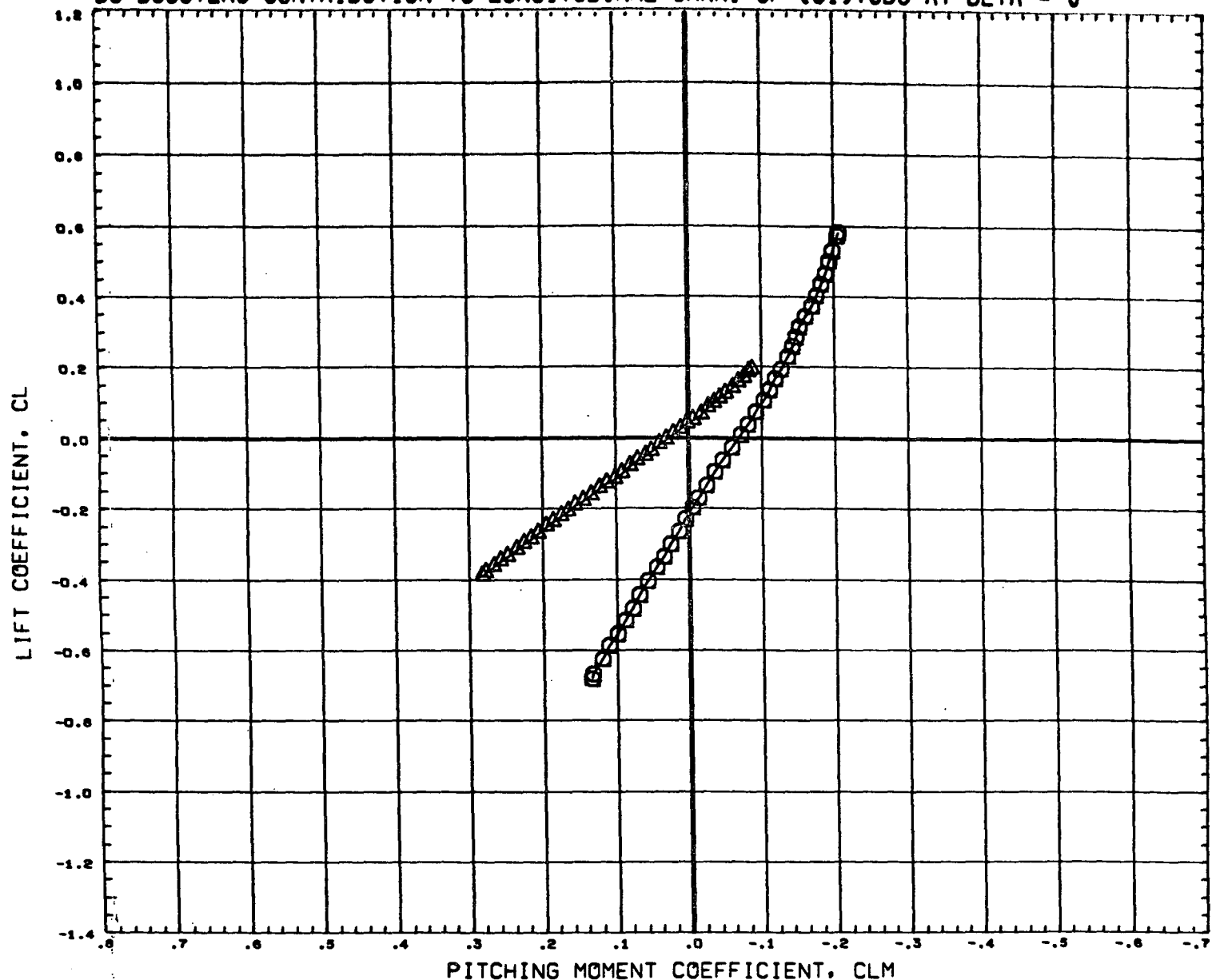


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



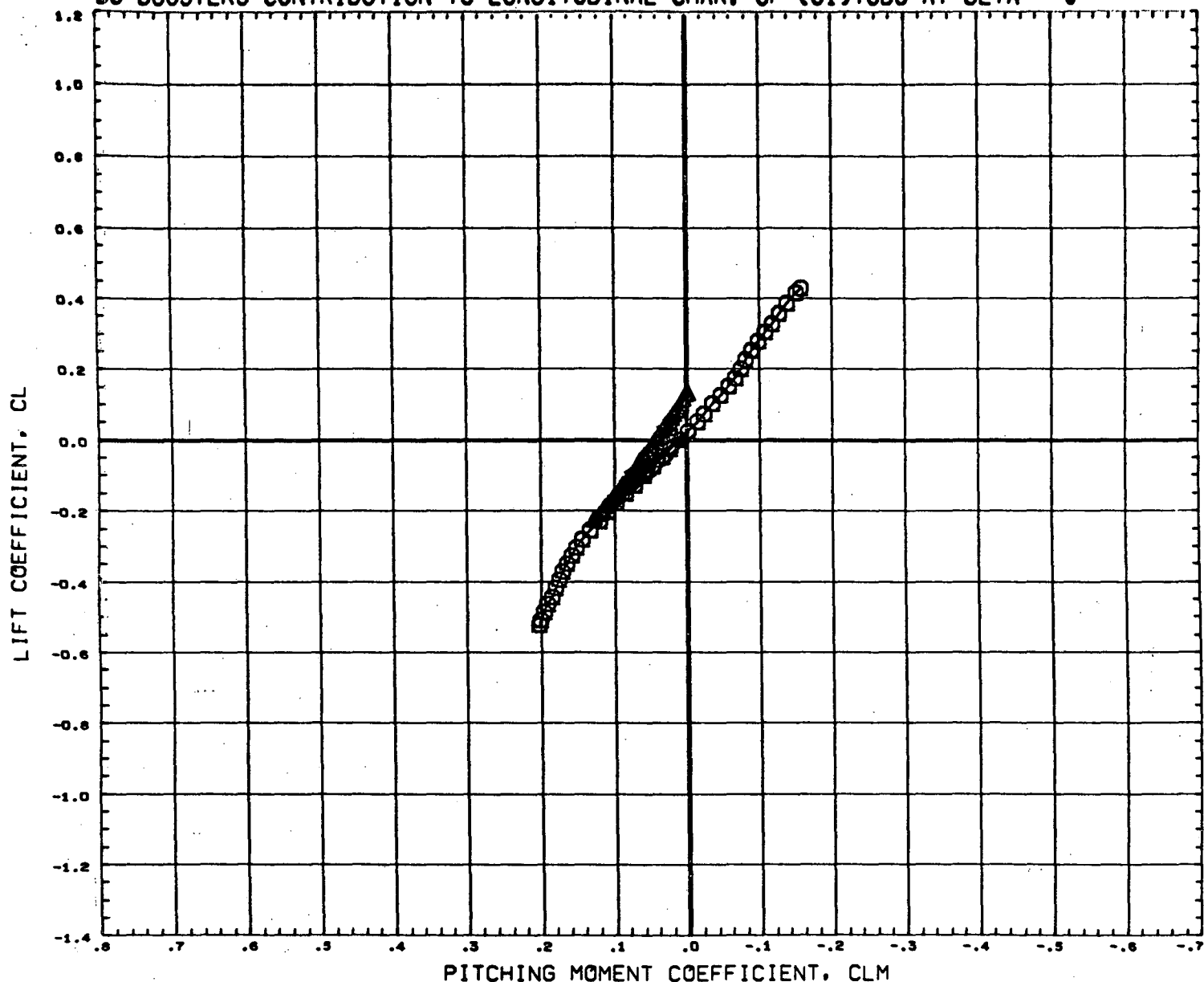
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488)	MDAC S-222 COMPOSITE(T-CG) (01)T3B3
(DD7483)	MDAC S-222 COMPOSITE(T-CG) (01)T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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B3 BOOSTERS CONTRIBUTION TO LONGITUDINAL CHAR. OF (01)T3B3 AT BETA = 0



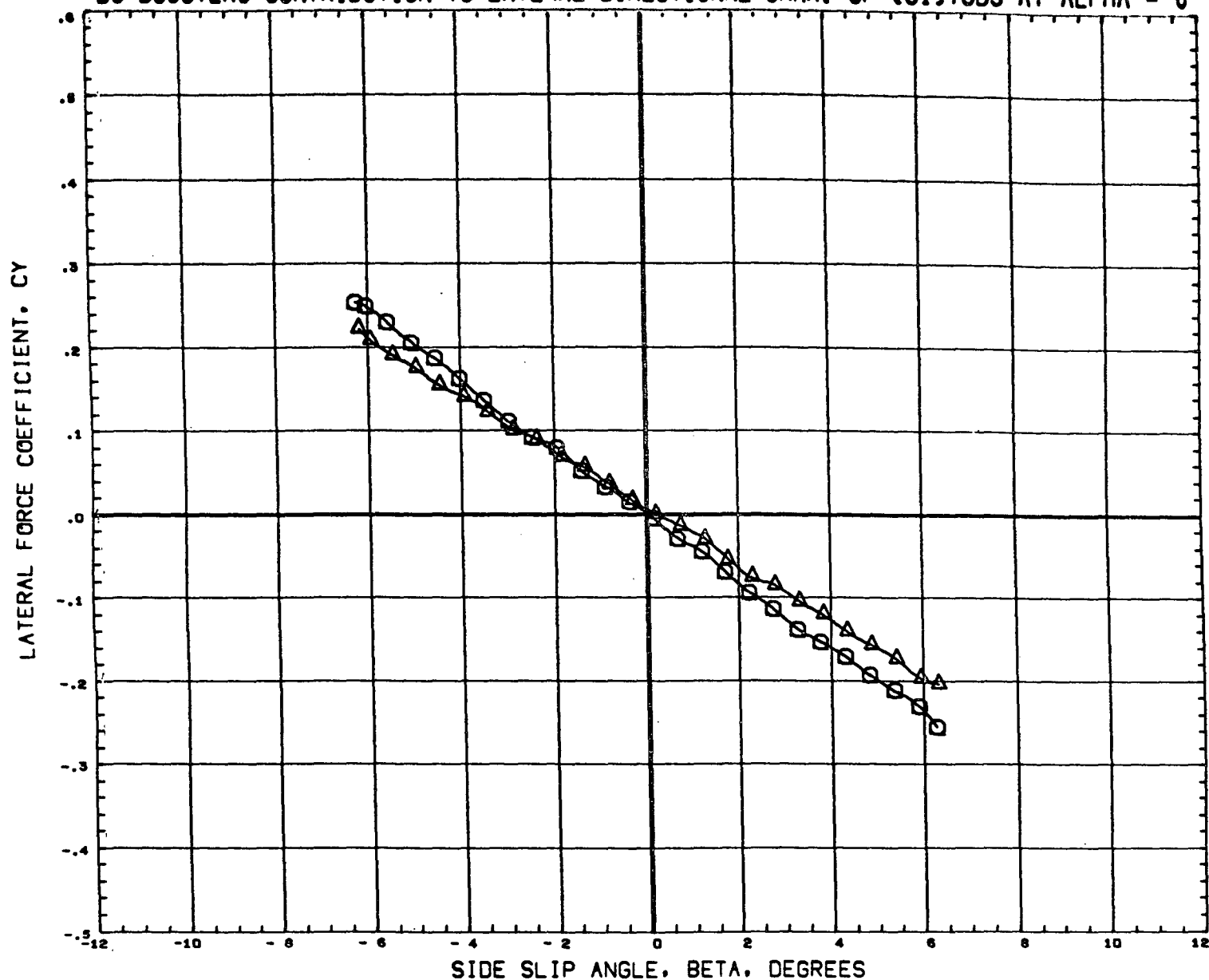
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD7488)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3
(DD7483)	MDAC S-222 COMPOSITE (T-CG) (01) T3

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (O1)T3B3 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7489) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T3B3
 (ED74B4) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T3

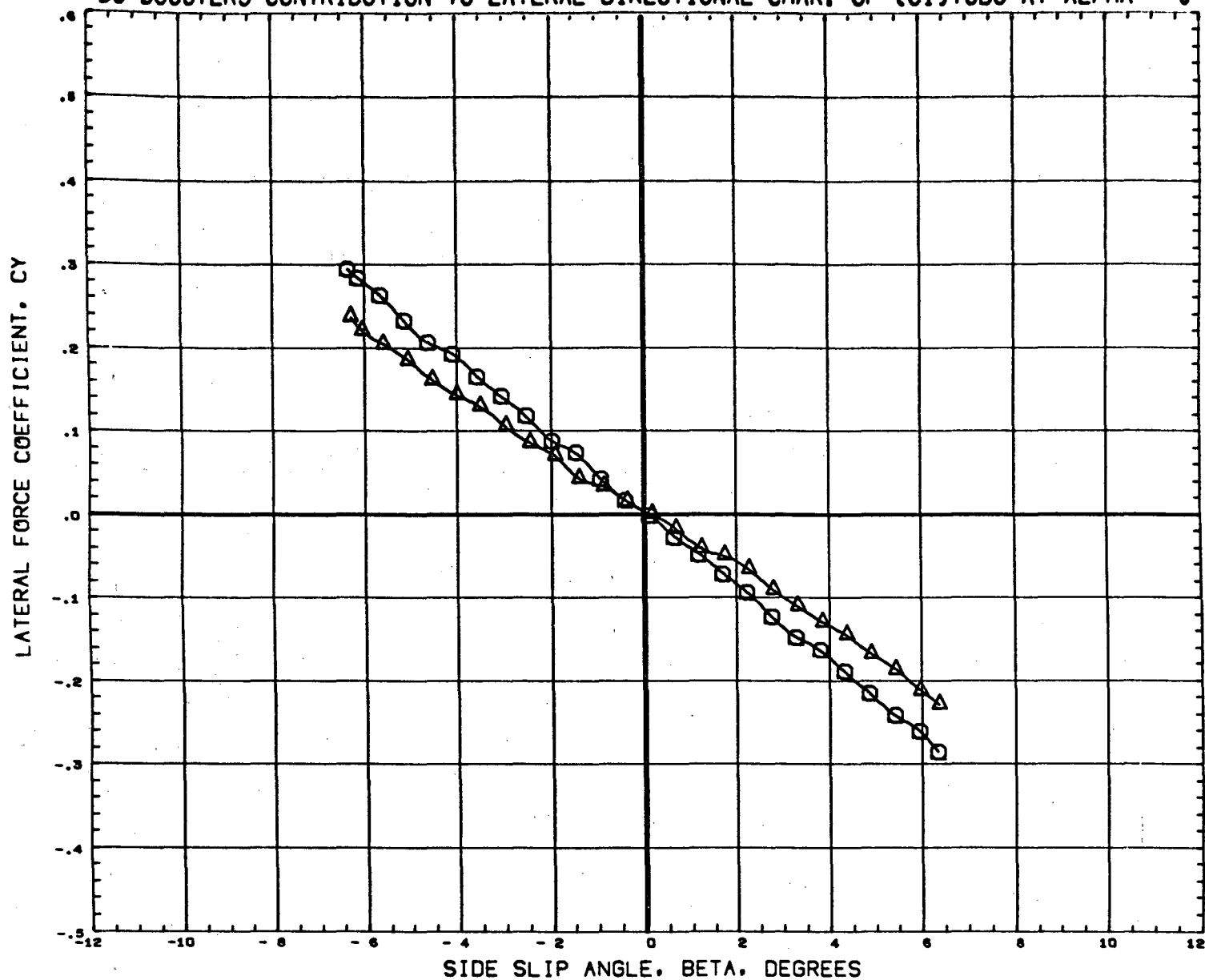
ALPHA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH .60

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7489) O MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (ED7484) Δ MDAC S-222 COMPOSITE (T-CG) (01)T3

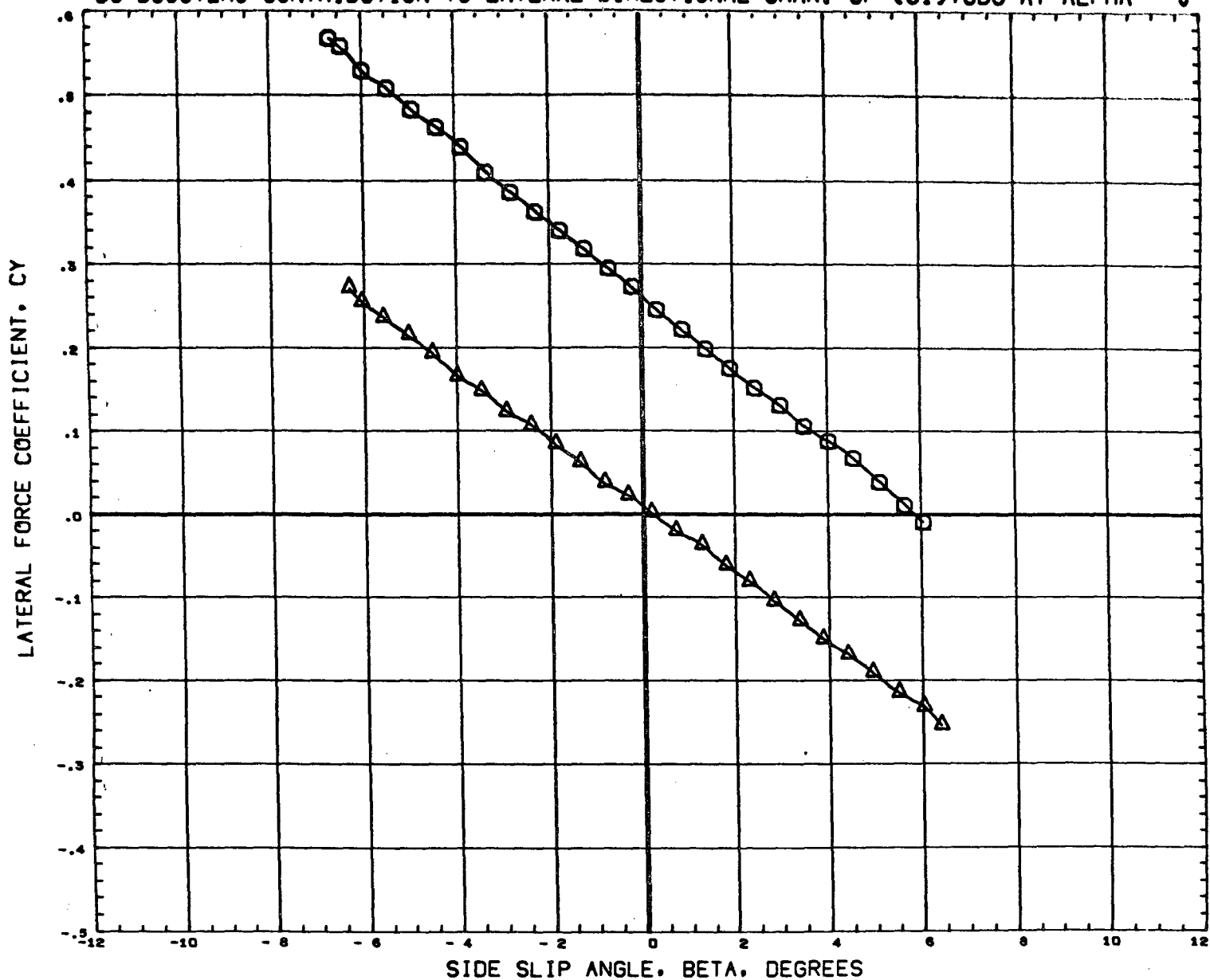
ALPHA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0



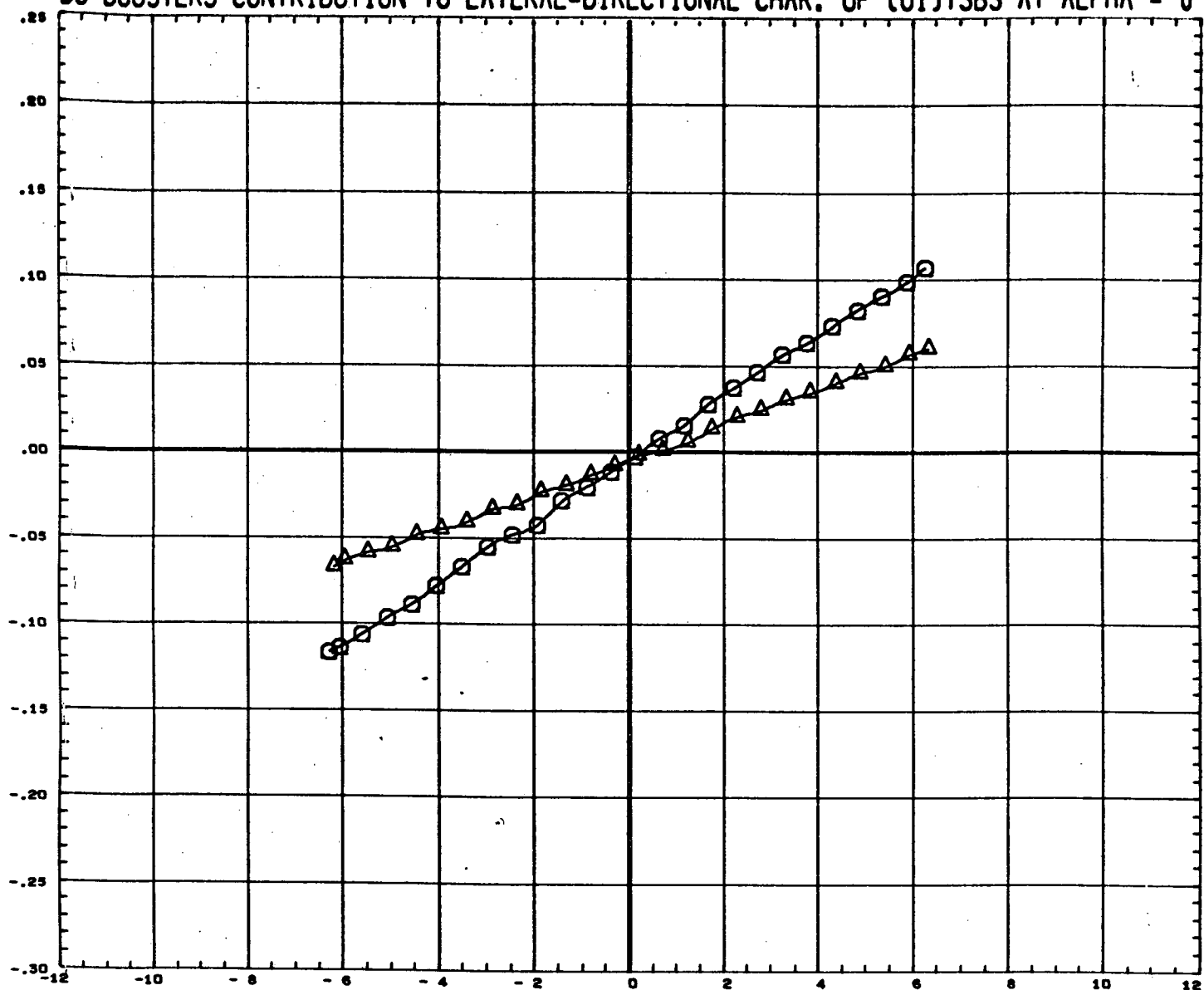
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (O1)T3B3 AT ALPHA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



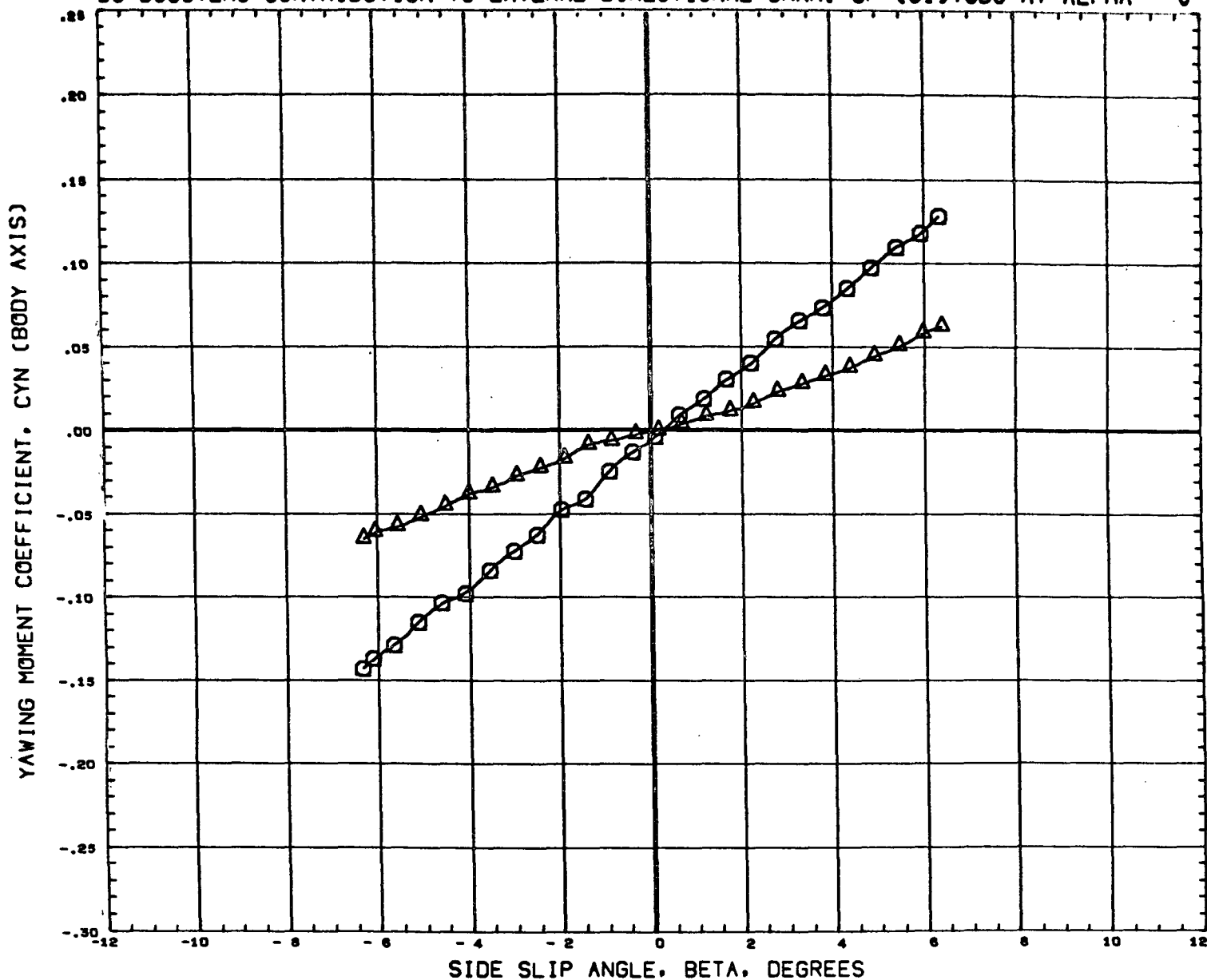
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7489) ○ MDAC S-222 COMPOSITE (T-CG) (O1) T3B3
 (ED7484) Δ MDAC S-222 COMPOSITE (T-CG) (O1) T3

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .60

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (O1)T3B3 AT ALPHA = 0



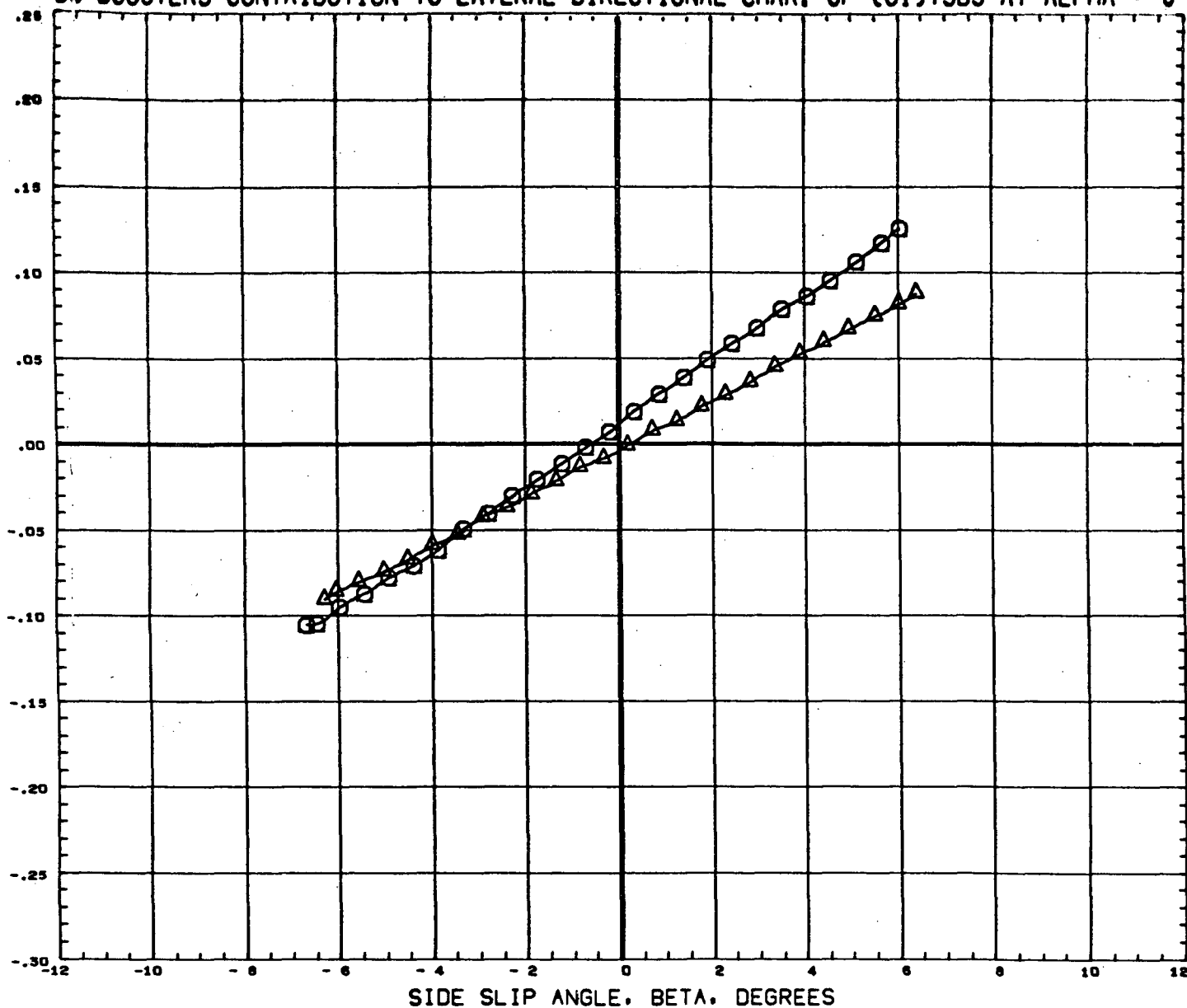
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



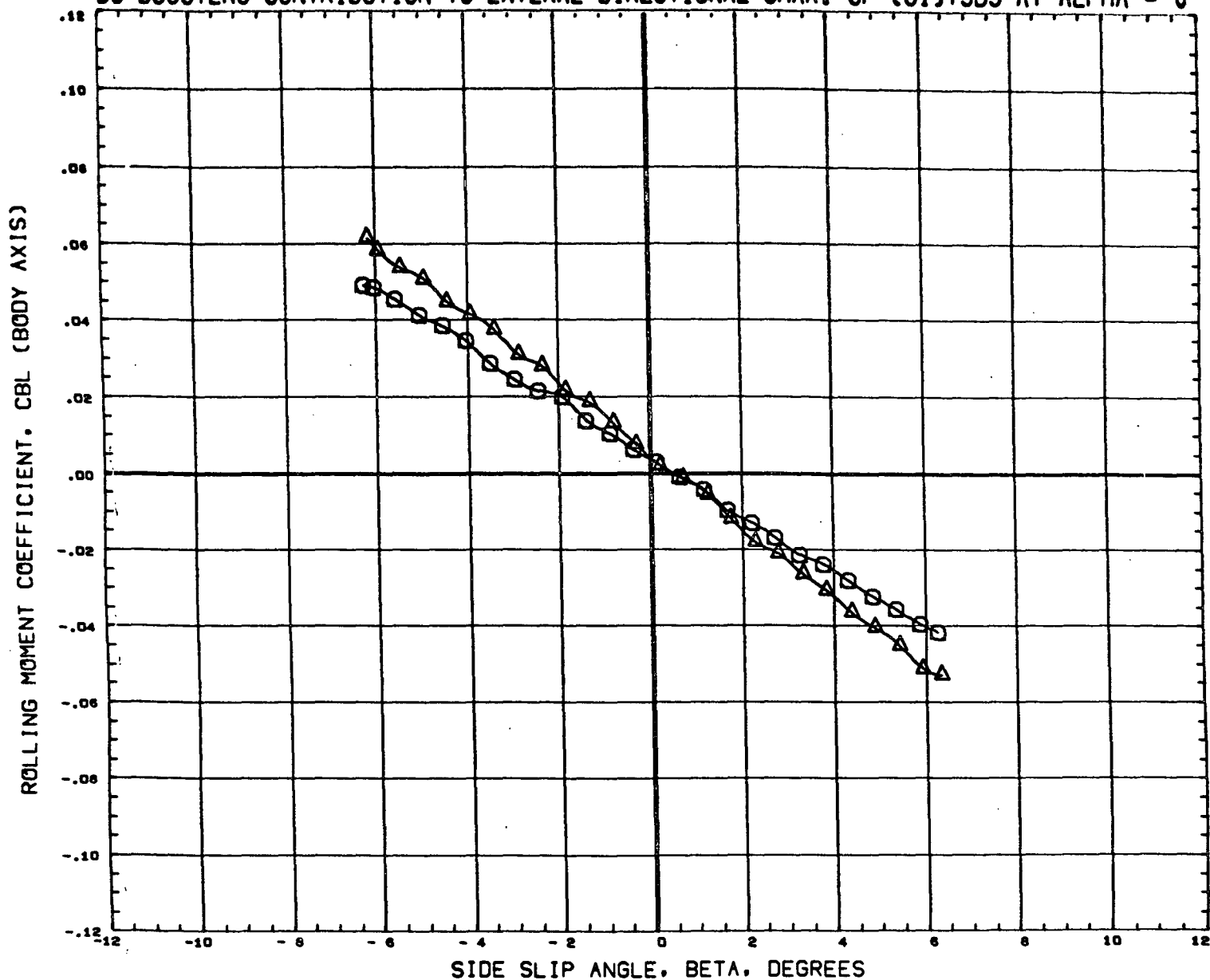
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (01)T3

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (O1)T3B3 AT ALPHA = 0



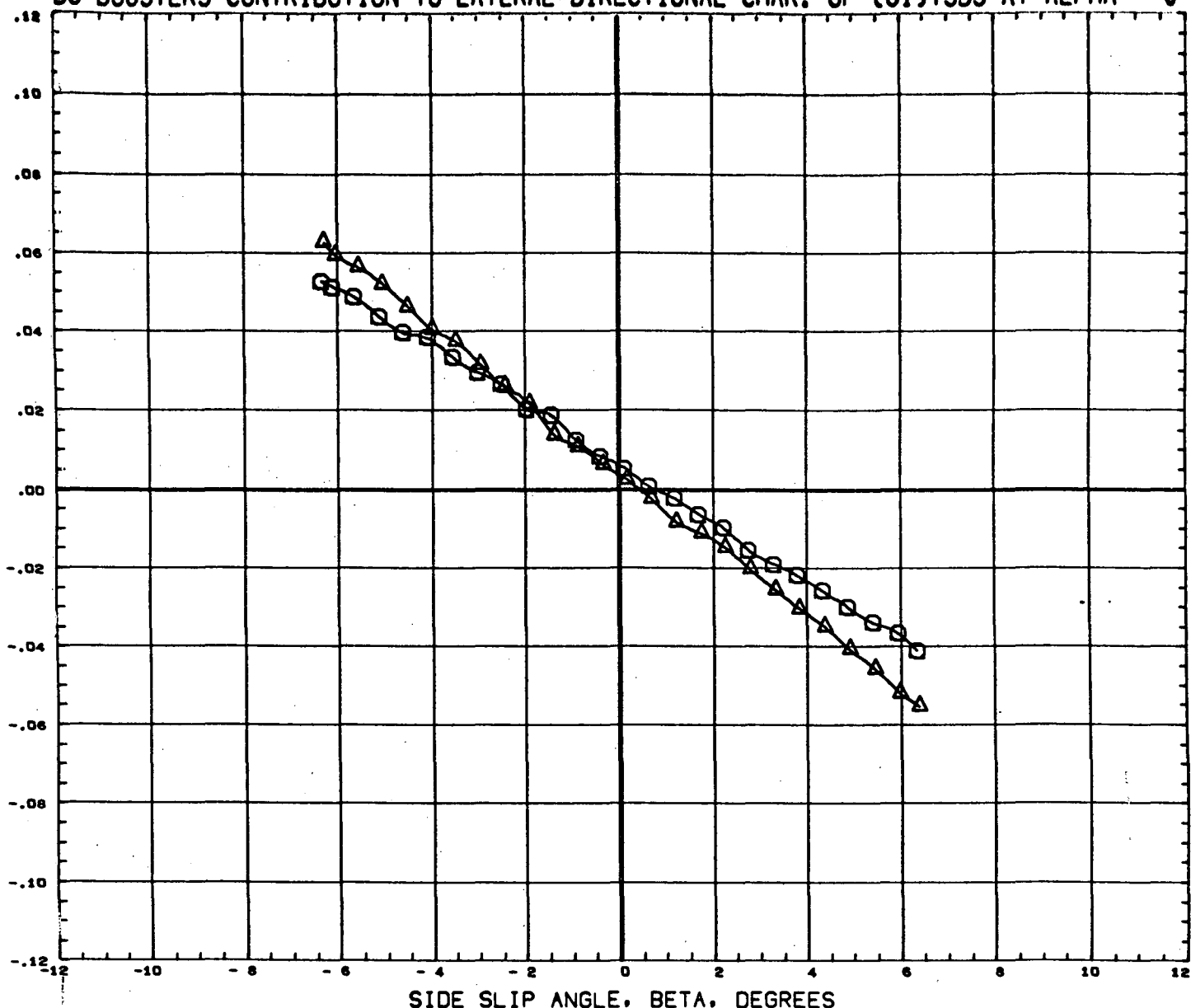
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (O1)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (O1)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .60

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



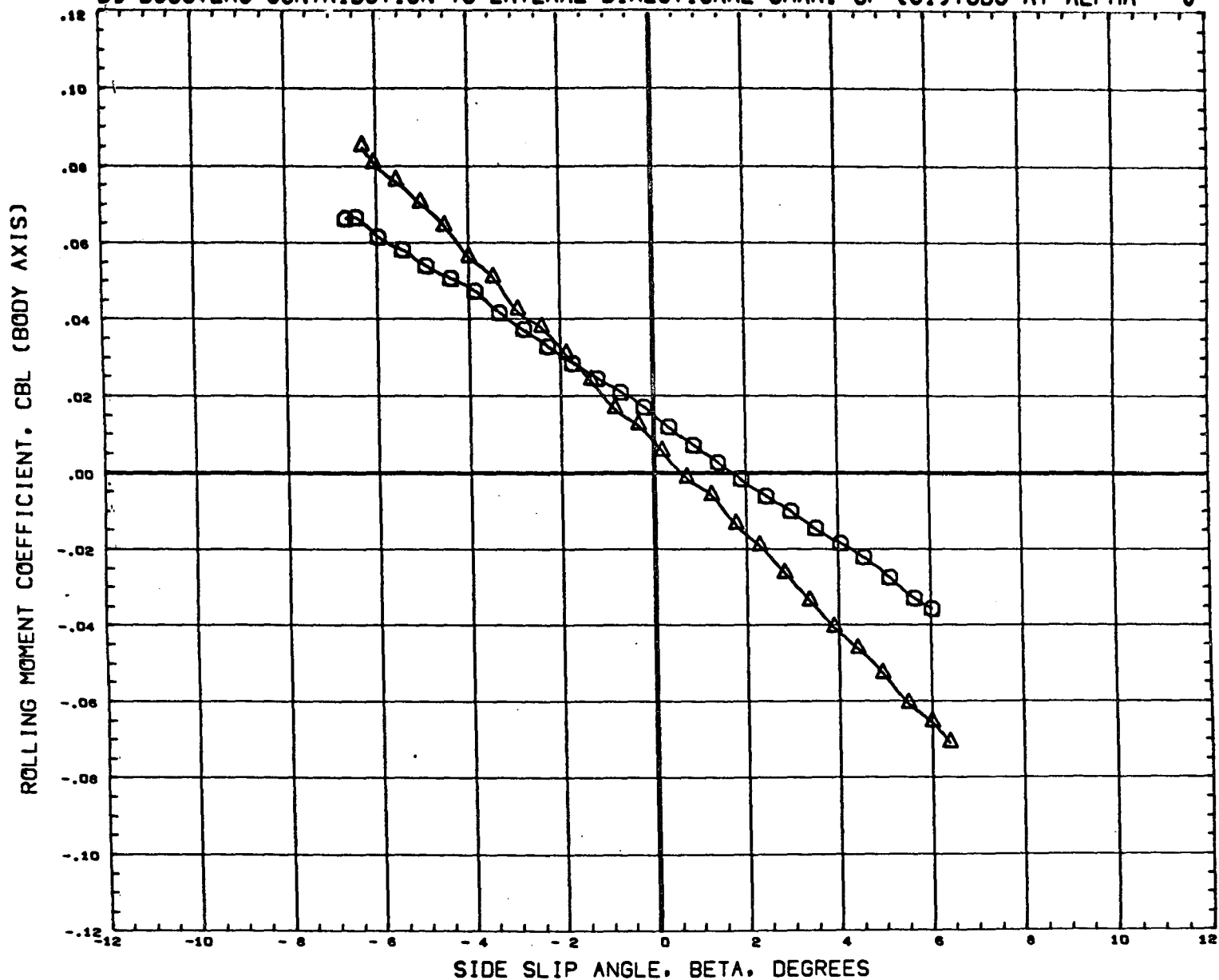
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7489) MDAC S-222 COMPOSITE (T-CG) (01)T3B3
 (ED7484) MDAC S-222 COMPOSITE (T-CG) (01)T3

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .90

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0

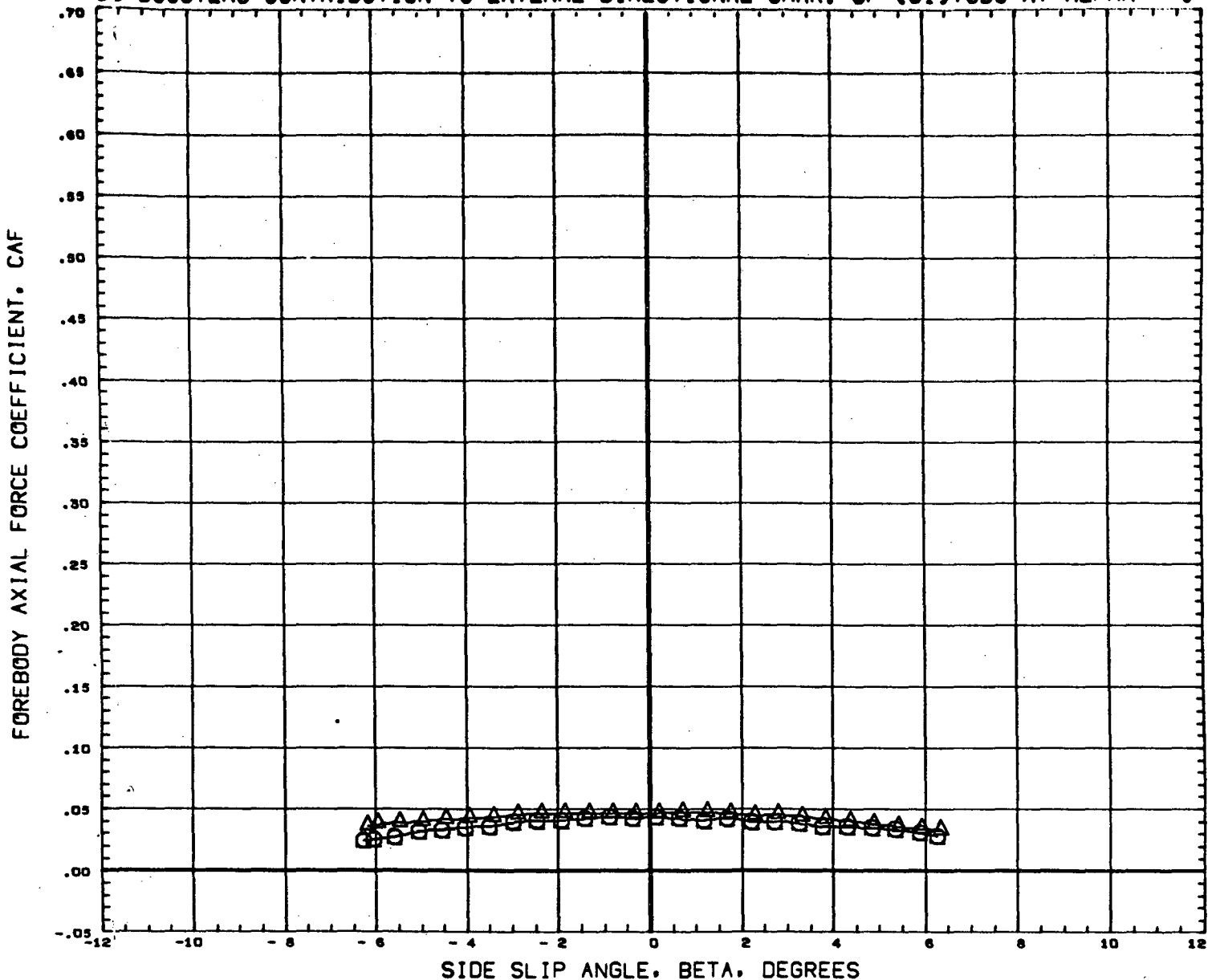


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0



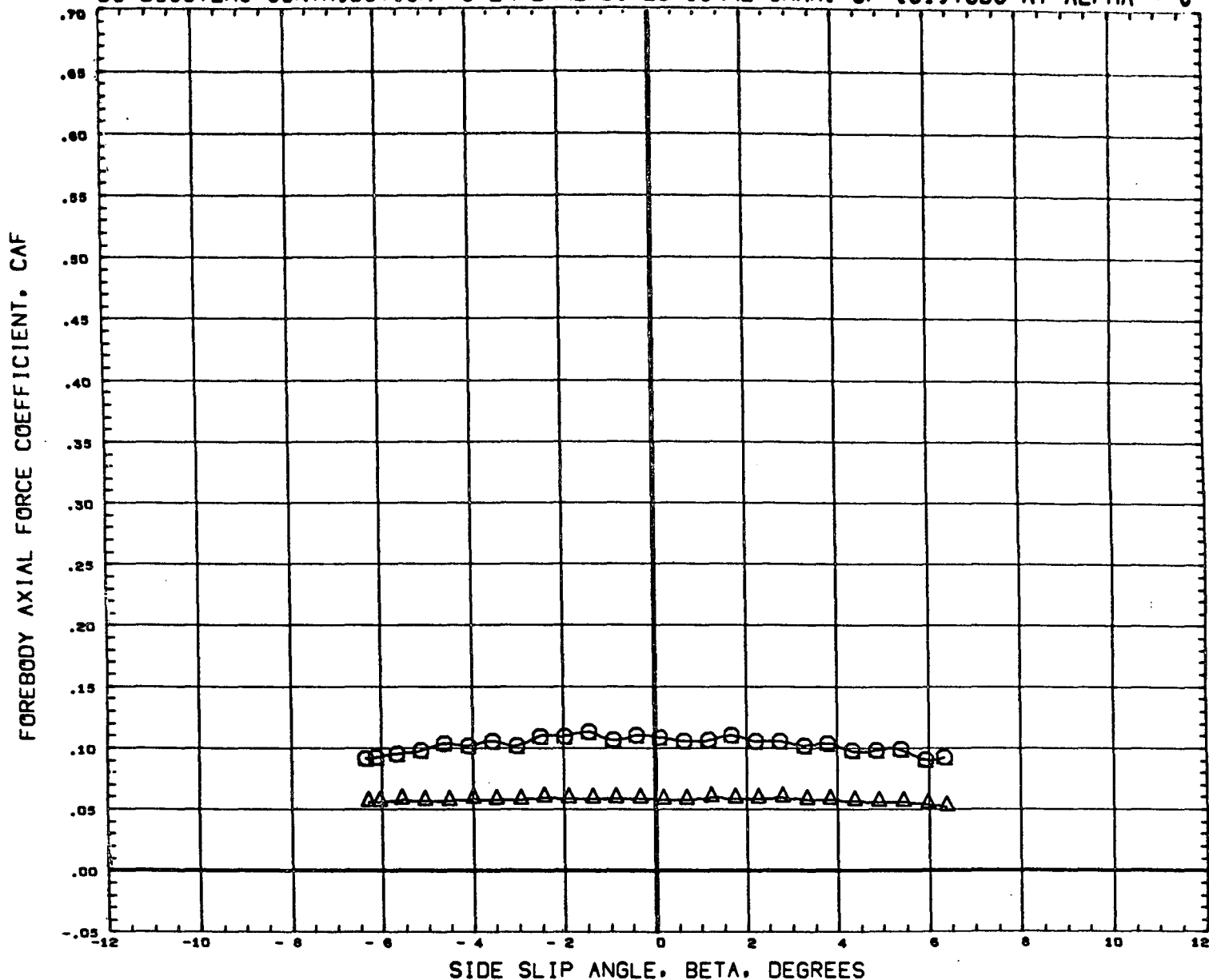
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .60

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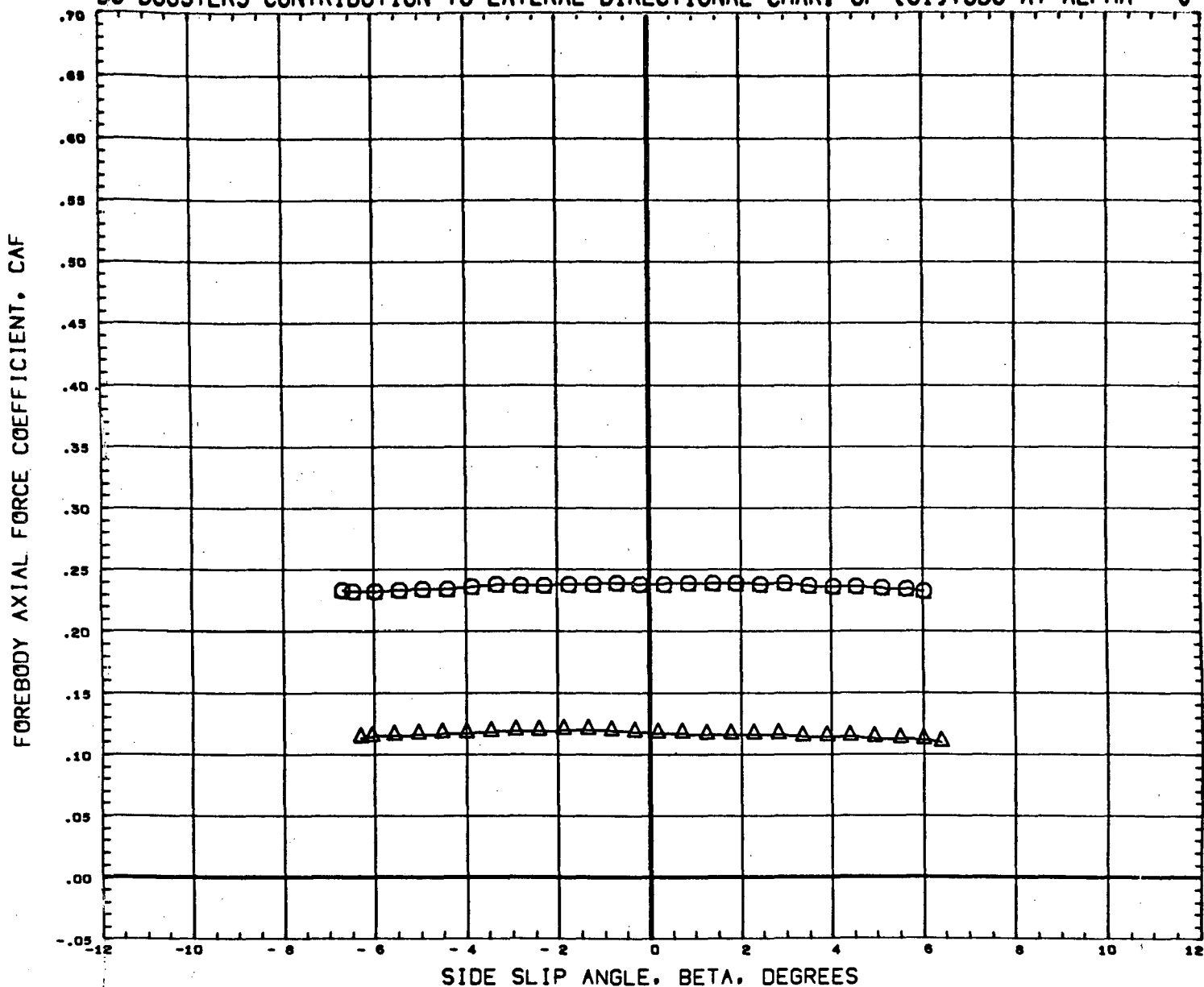
B3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01) T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (01) T3	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

3 BOOSTERS CONTRIBUTION TO LATERAL-DIRECTIONAL CHAR. OF (01)T3B3 AT ALPHA = 0

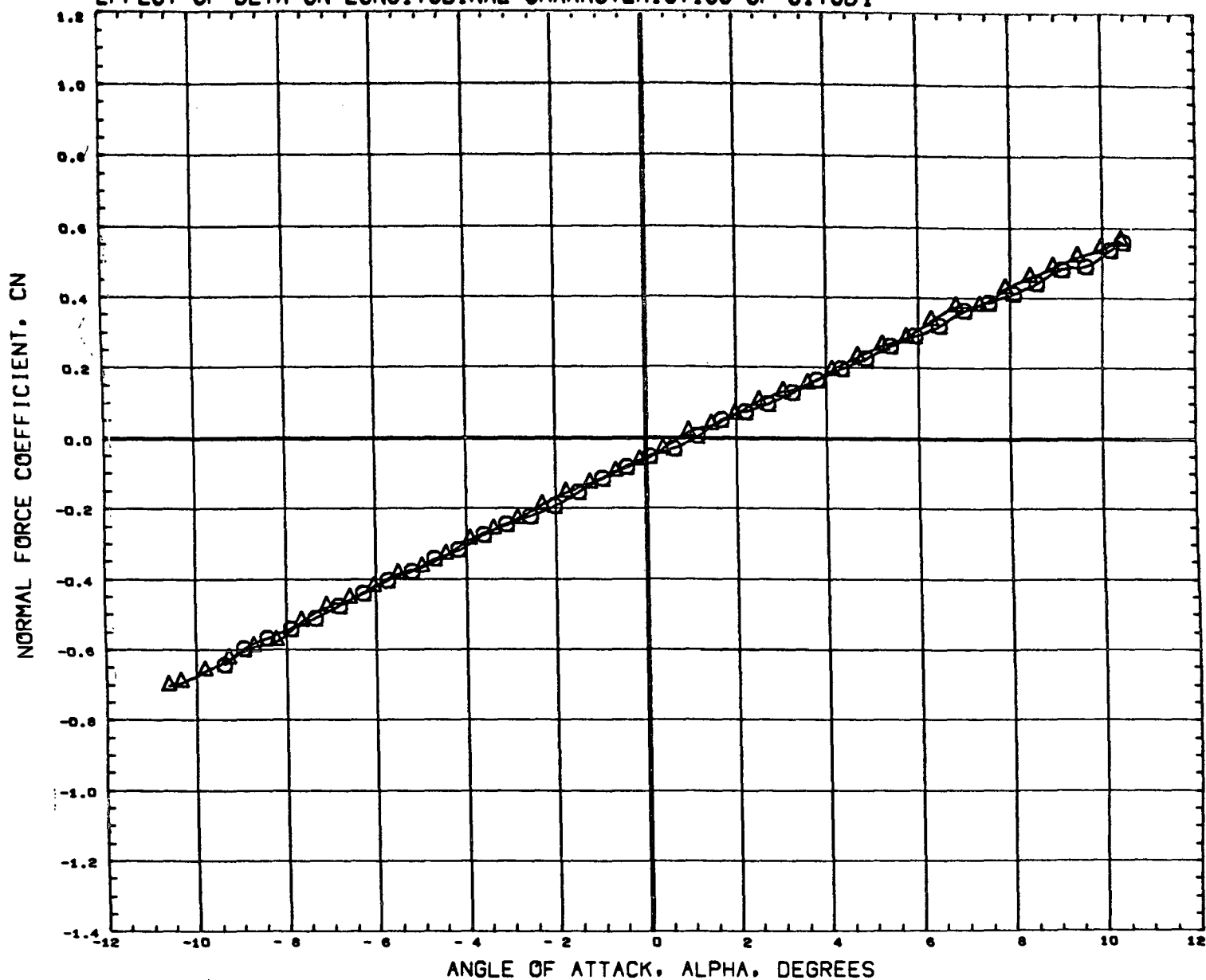


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7489)	MDAC S-222 COMPOSITE (T-CG) (01)T3B3	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(ED7484)	MDAC S-222 COMPOSITE (T-CG) (01)T3	0.000	0.000	0.000	0.000	LREF	609.9004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.10

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



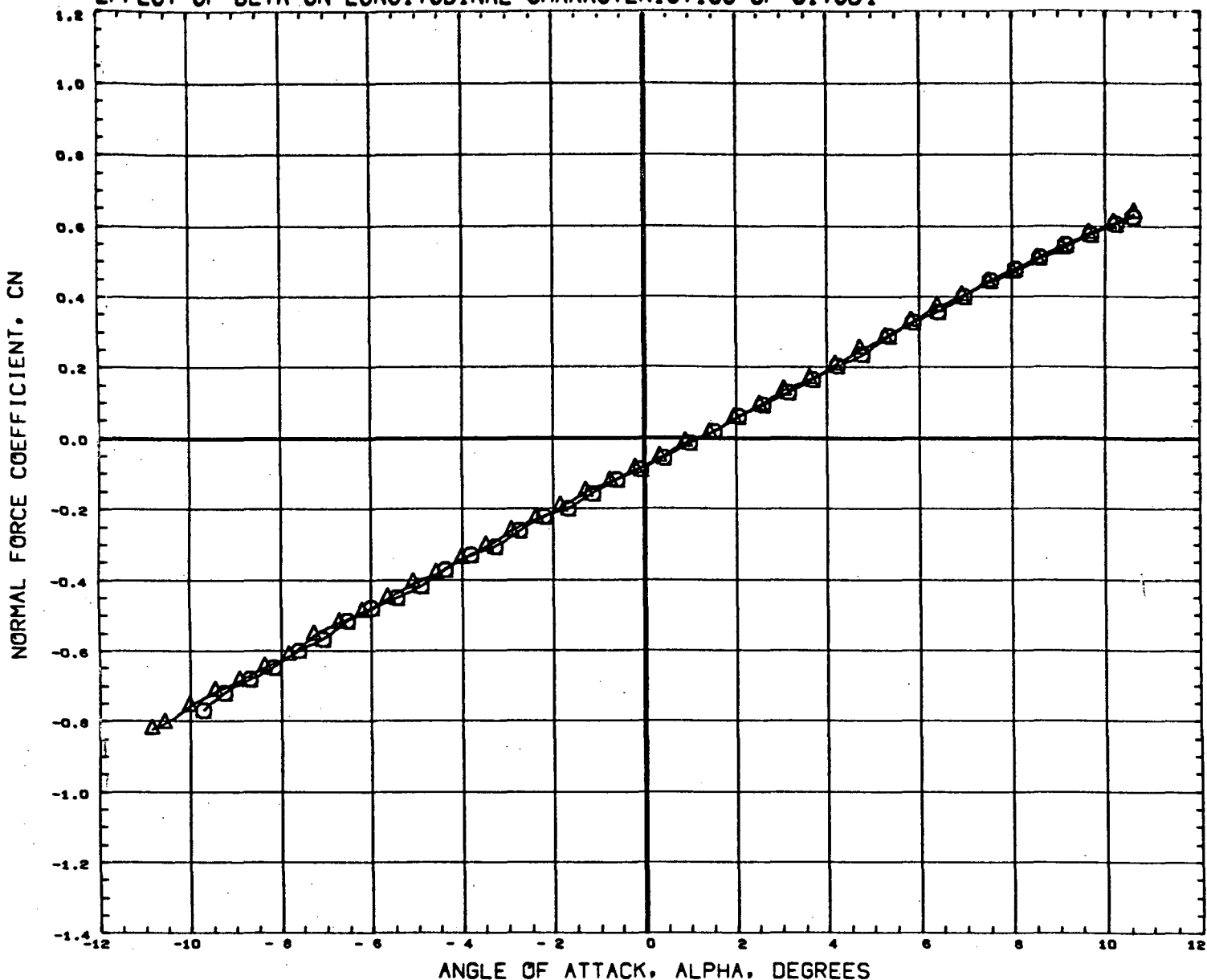
DATA SET SYMBOL		CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	○	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7522)	△	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH

.58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T384



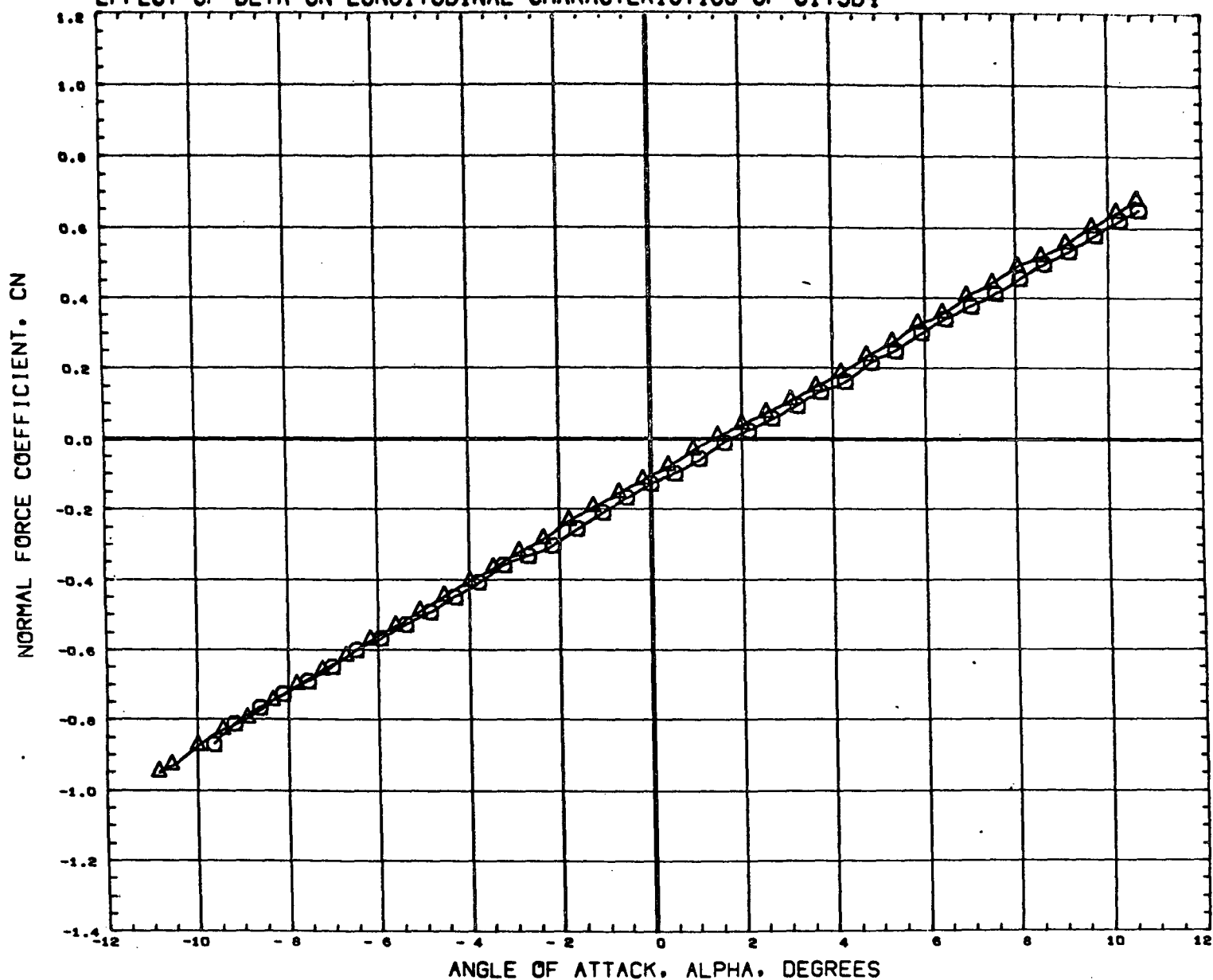
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T384
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T384

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE(T-CG) 01T3B4
 (CD7522) MDAC S-222 COMPOSITE(T-CG) 01T3B4

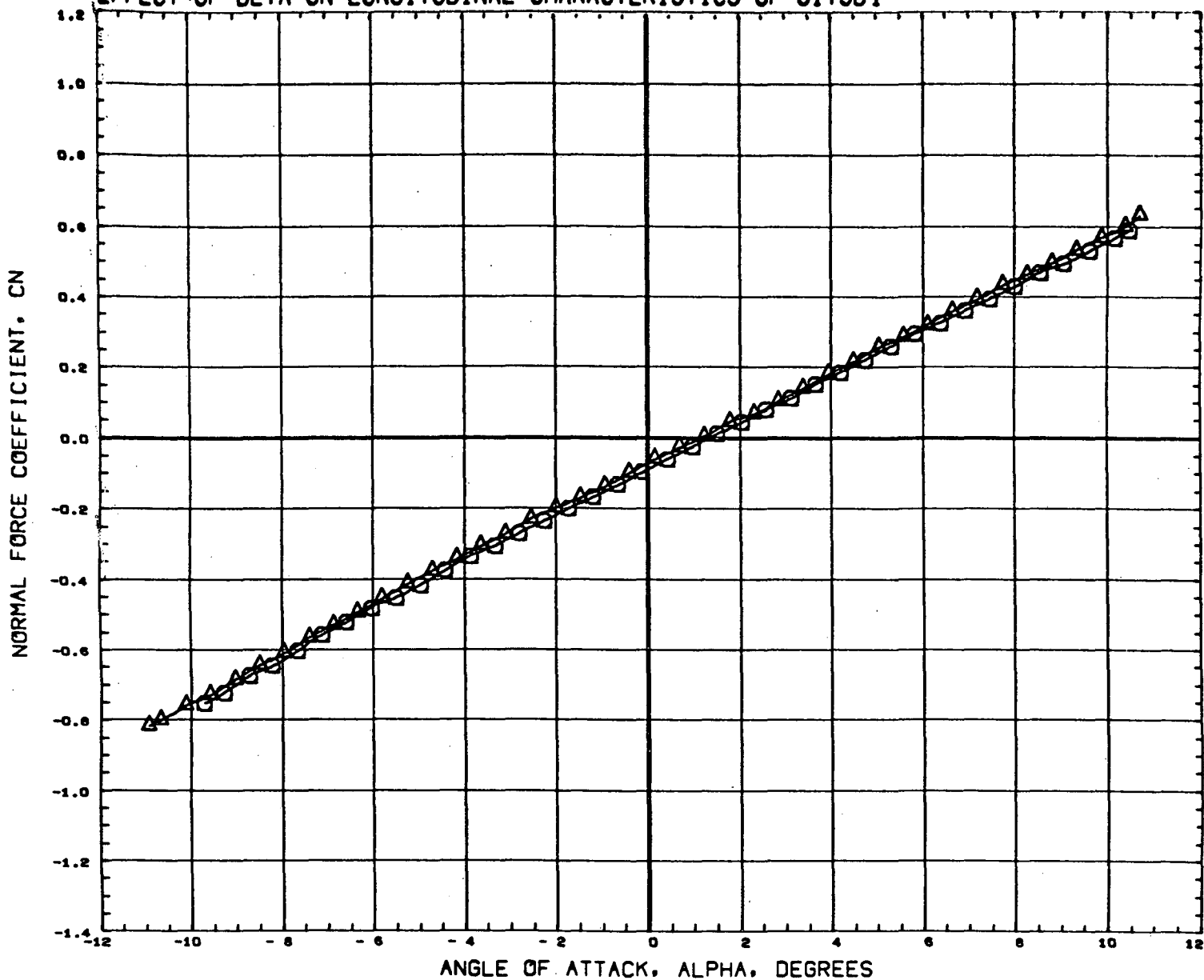
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH 1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



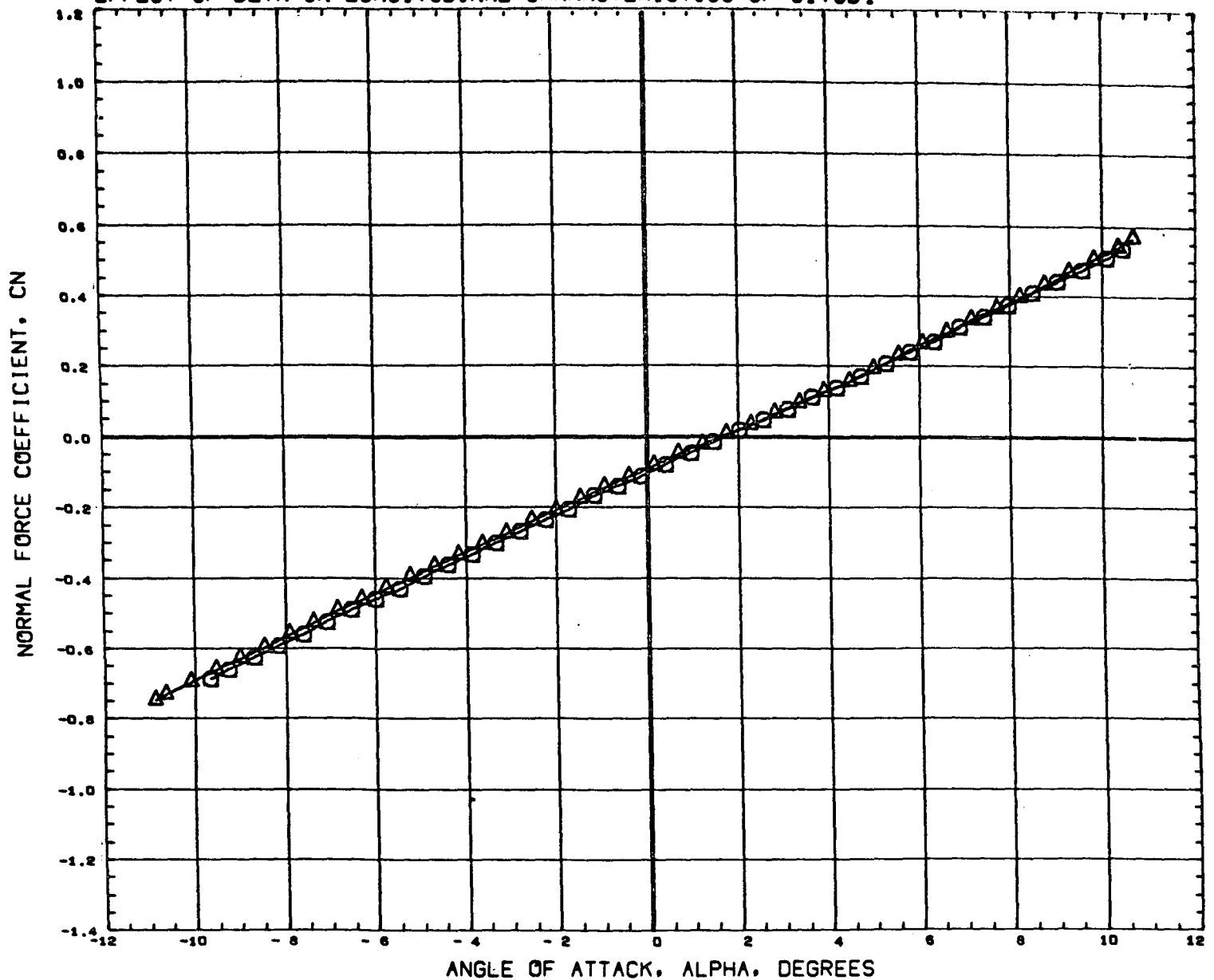
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520) ○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7522) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



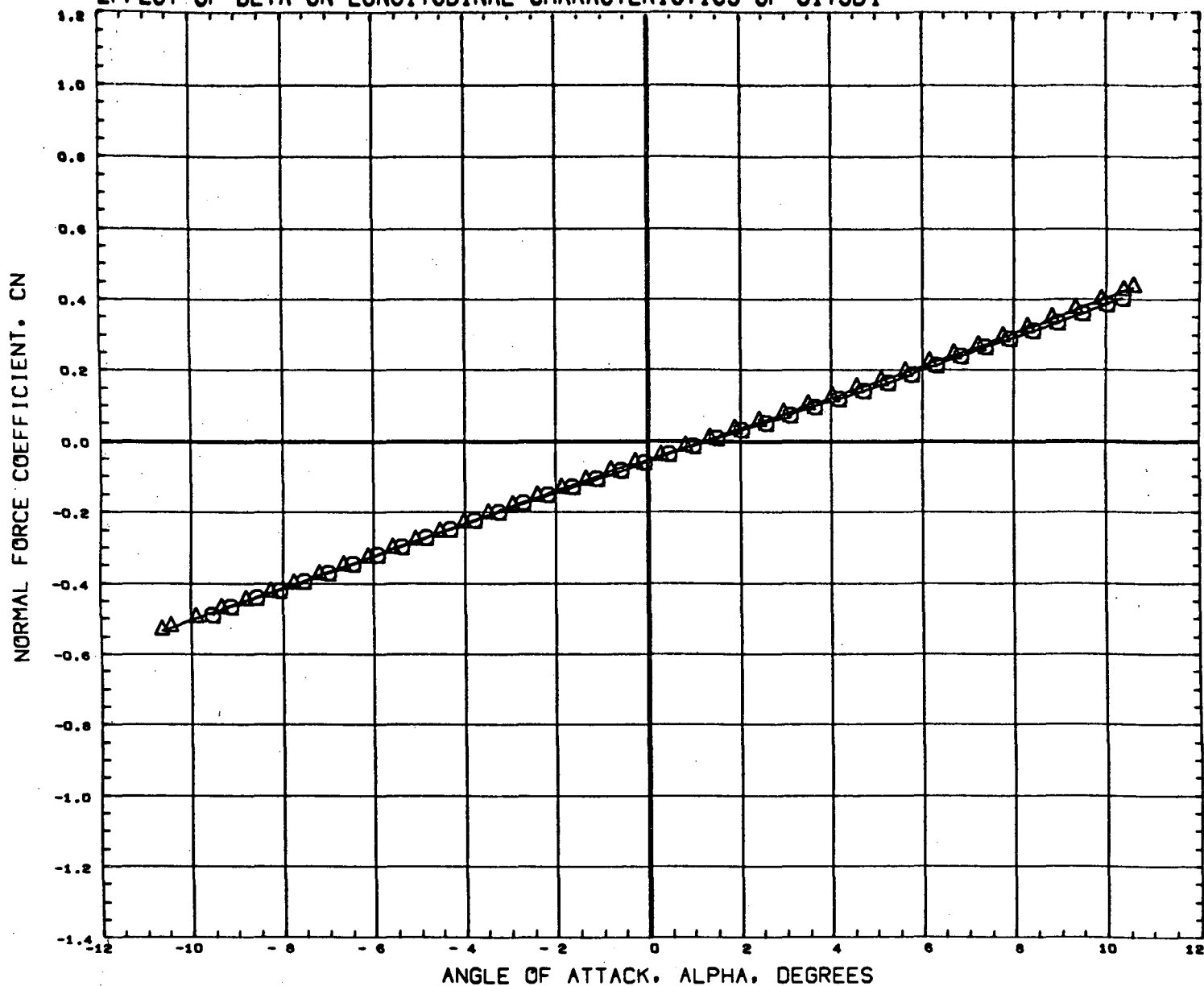
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 Sq.Ft.
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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C.6

EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



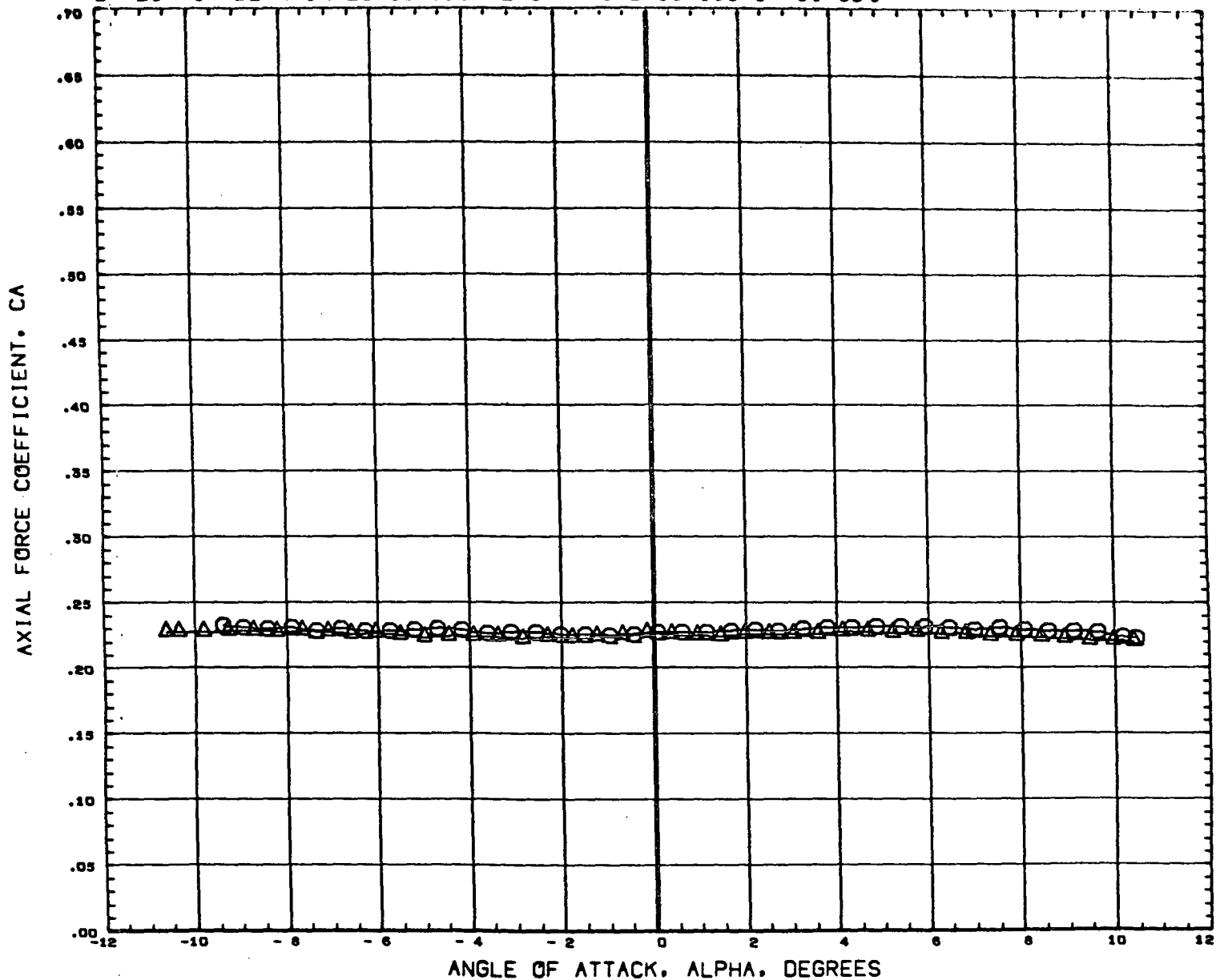
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(CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T384



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T384
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T384

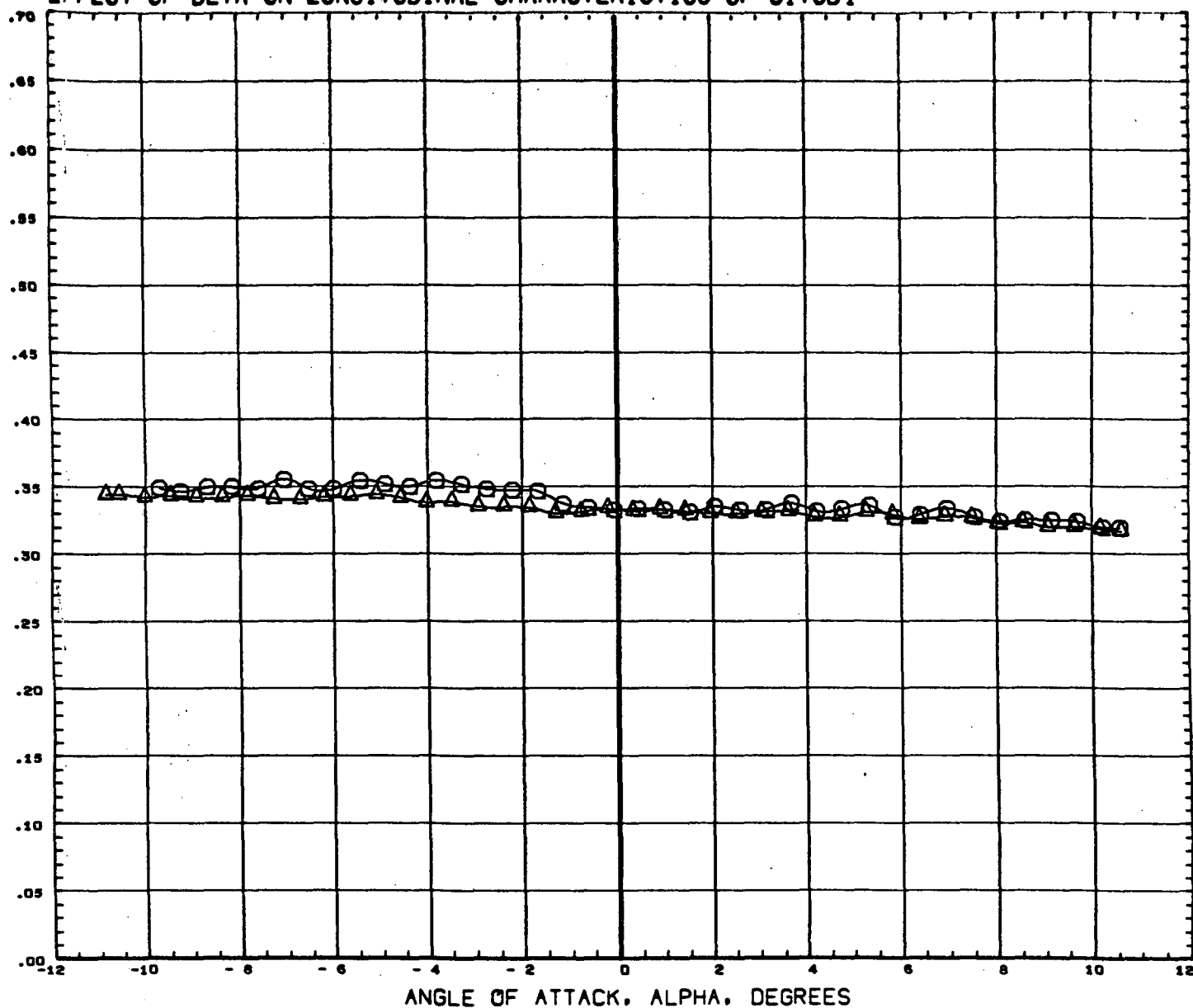
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

AXIAL FORCE COEFFICIENT, CA



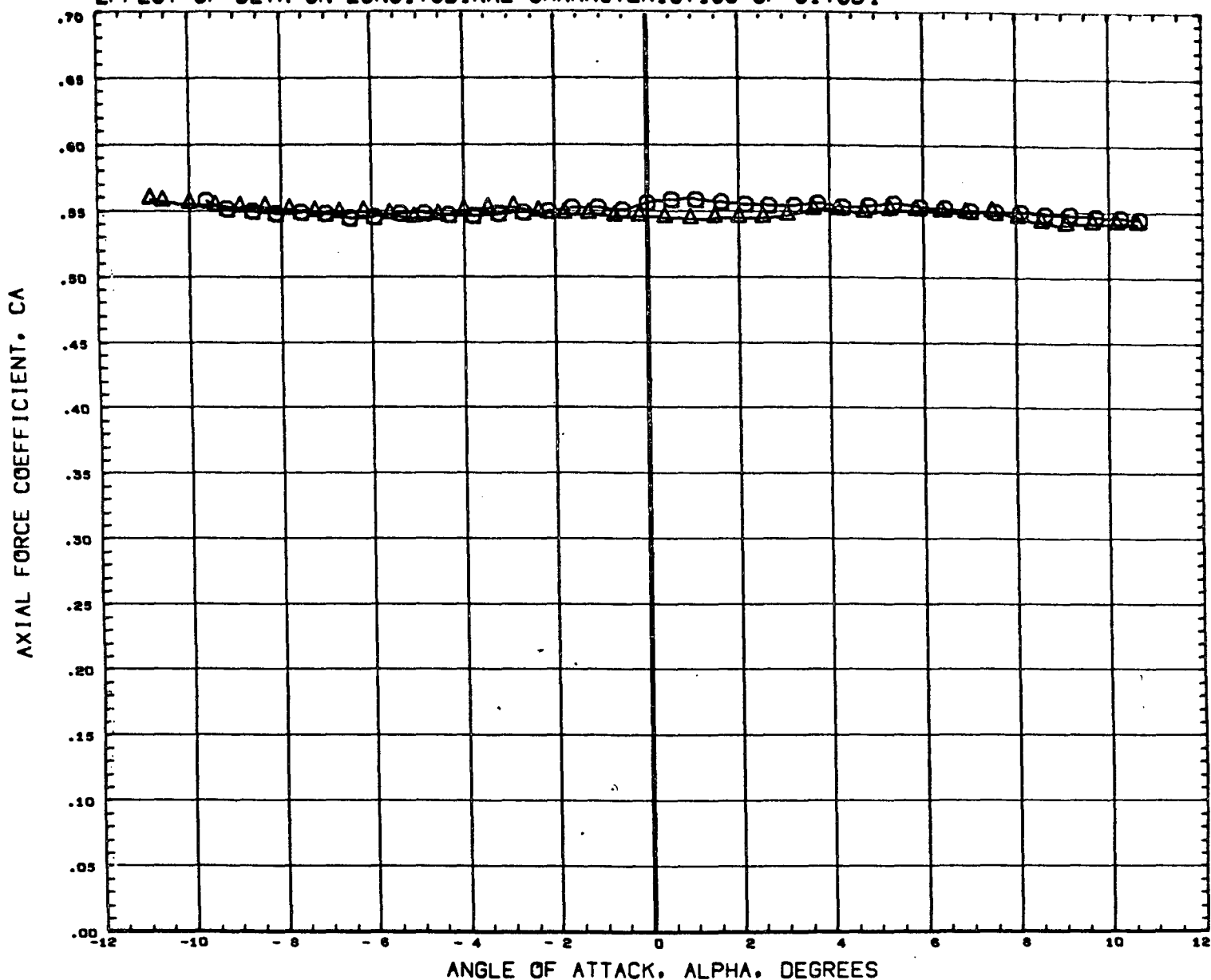
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 (CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
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				YMRP	0.0000 IN.
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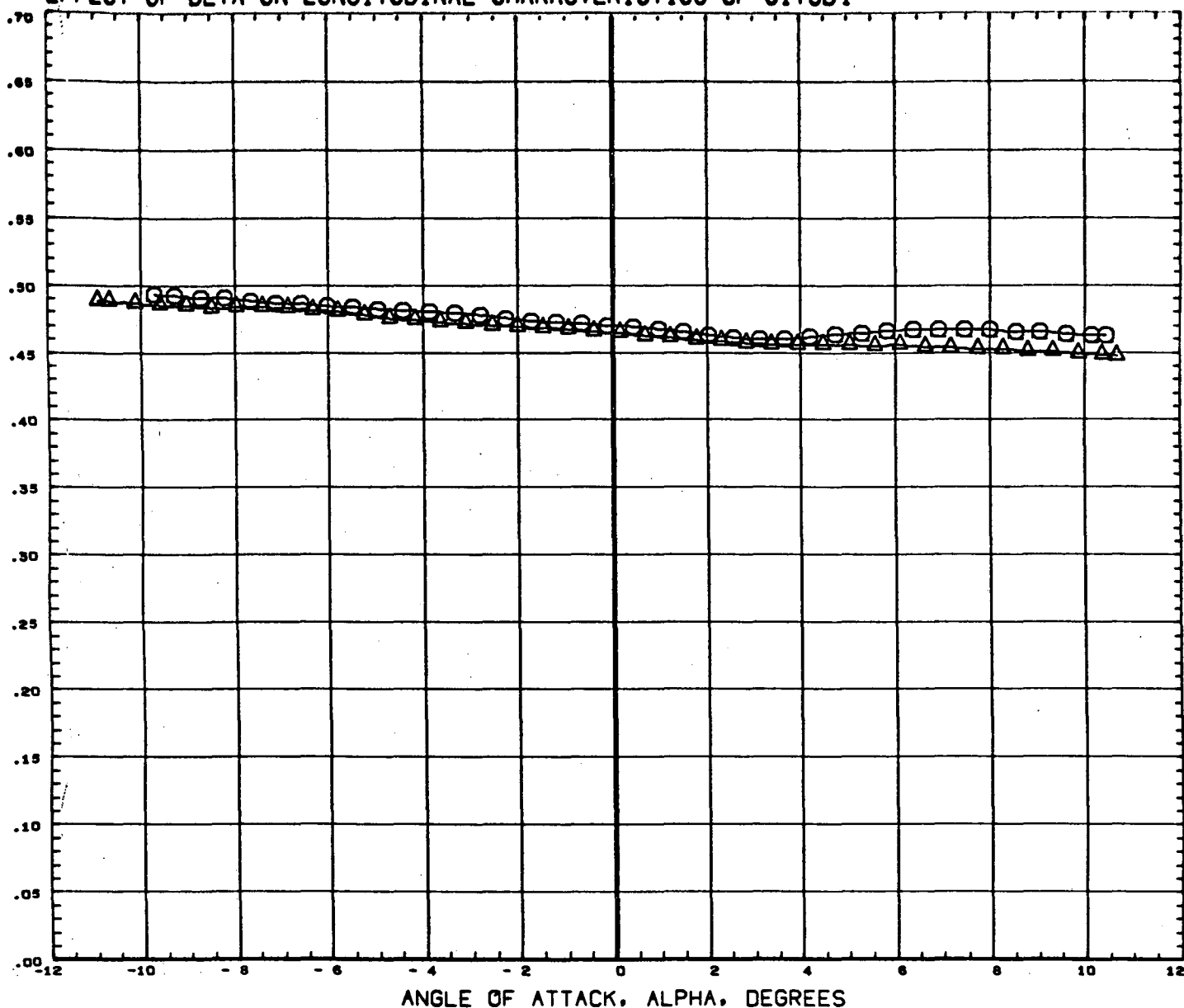
MACH

1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

AXIAL FORCE COEFFICIENT, CA



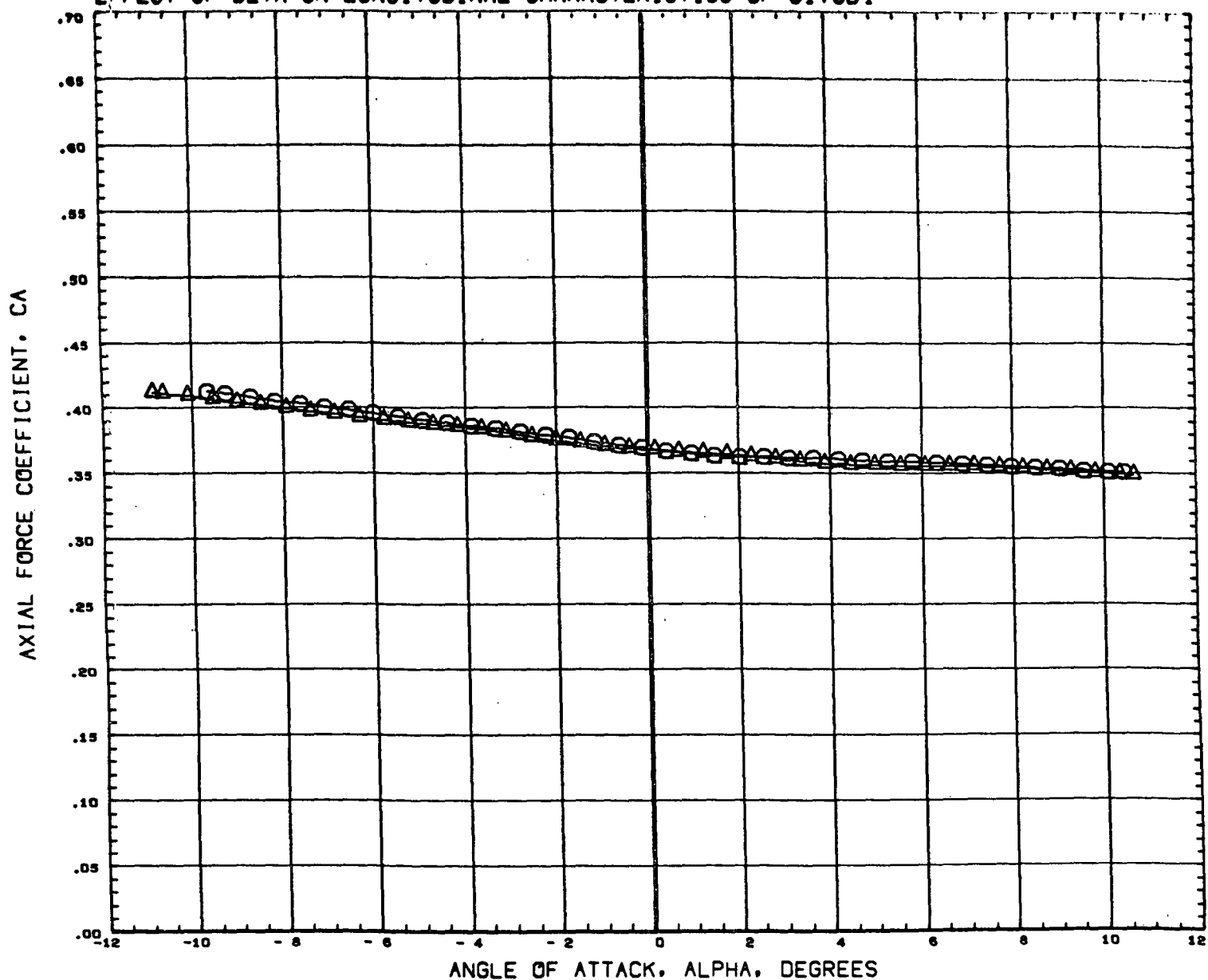
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 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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(CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

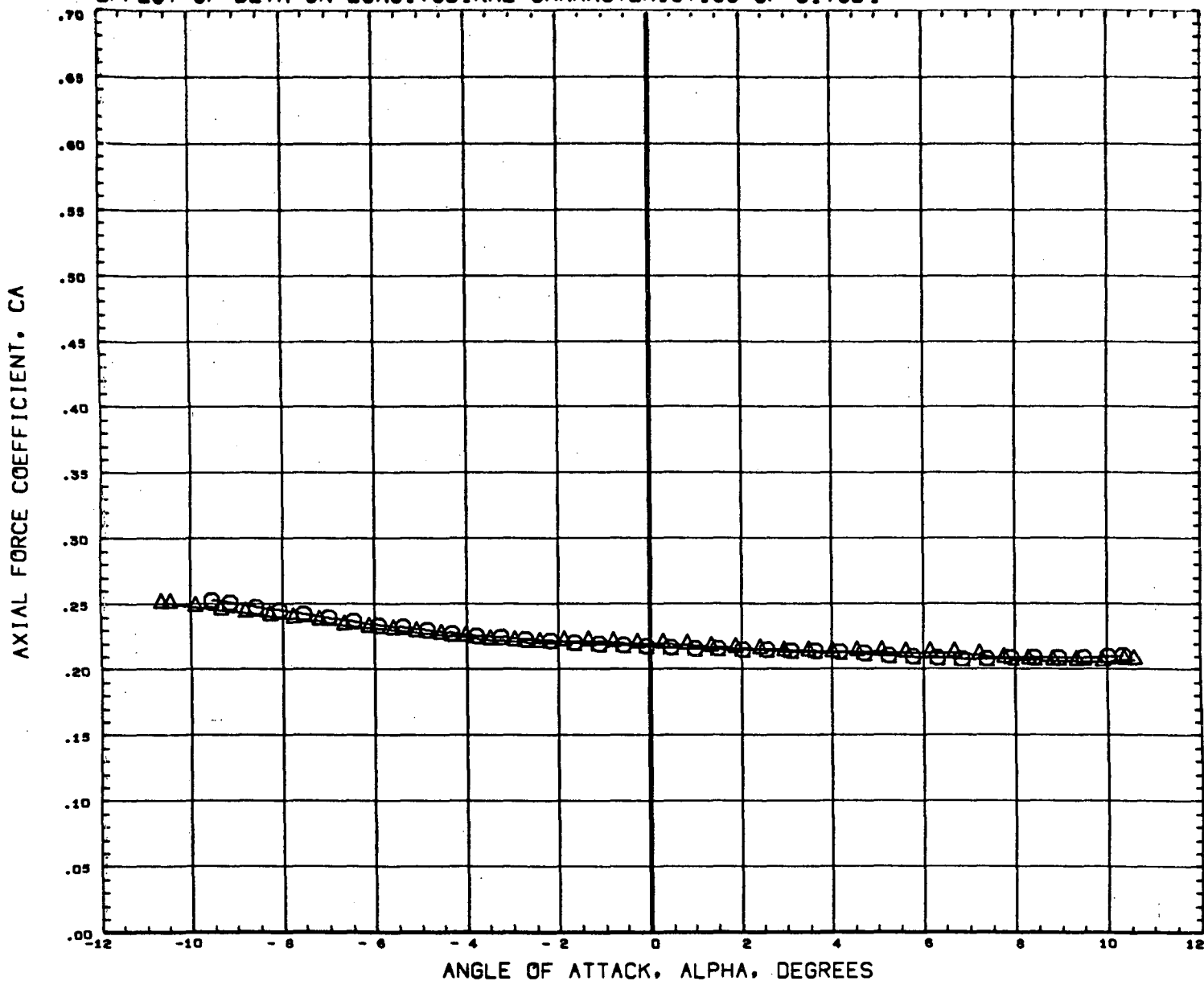
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



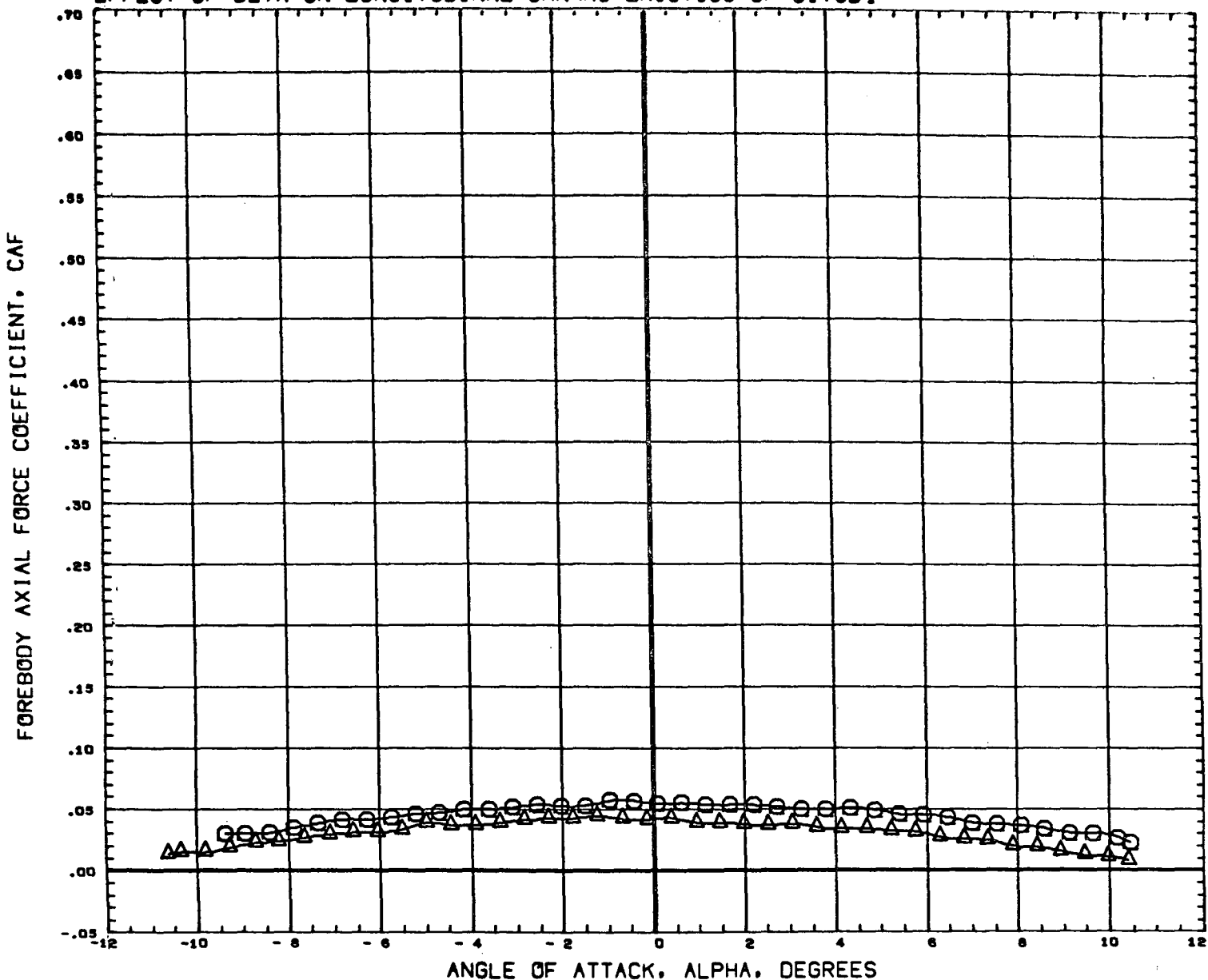
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(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

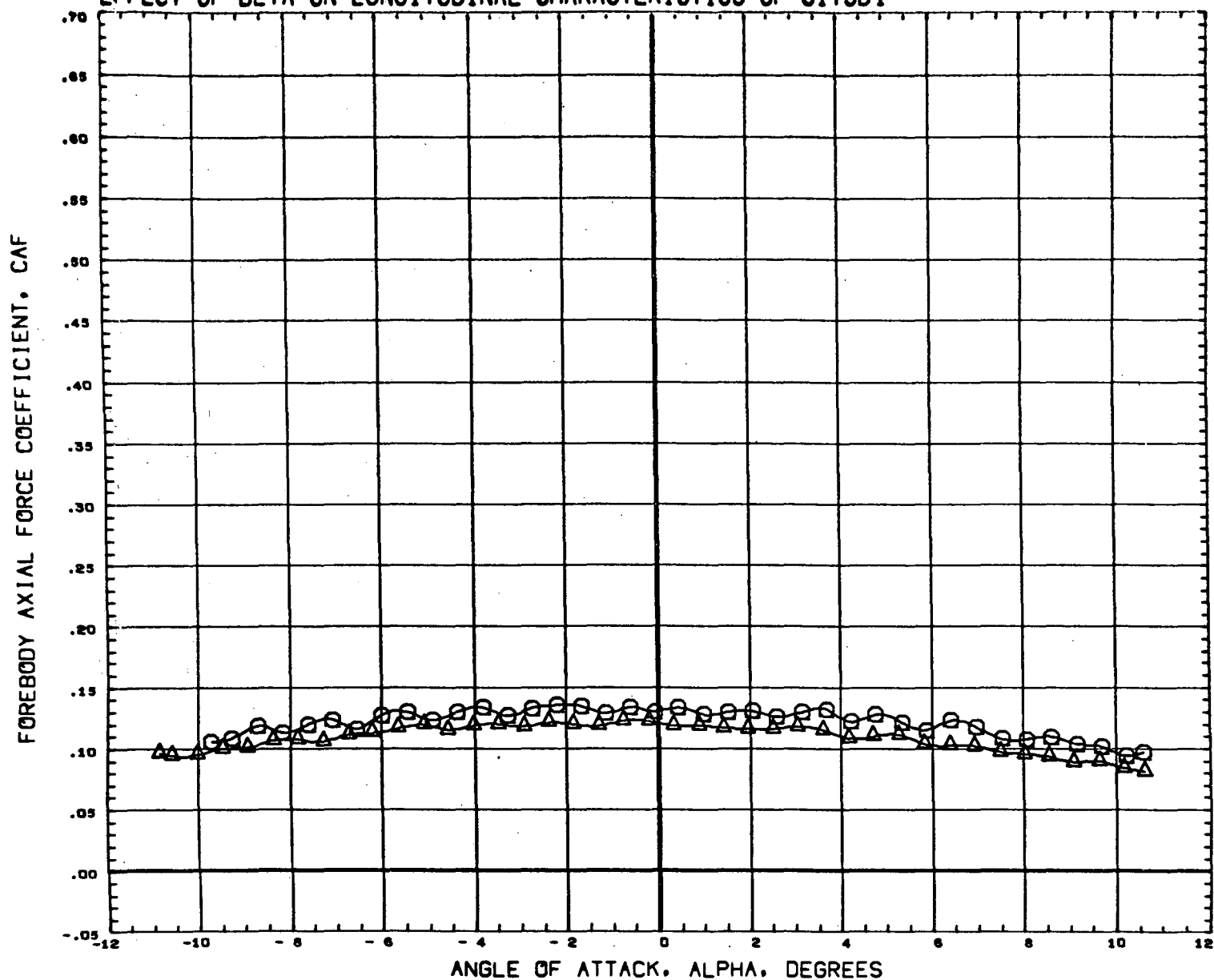


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	9.000	0.000	0.000	LREF	609.5004 IN.
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						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



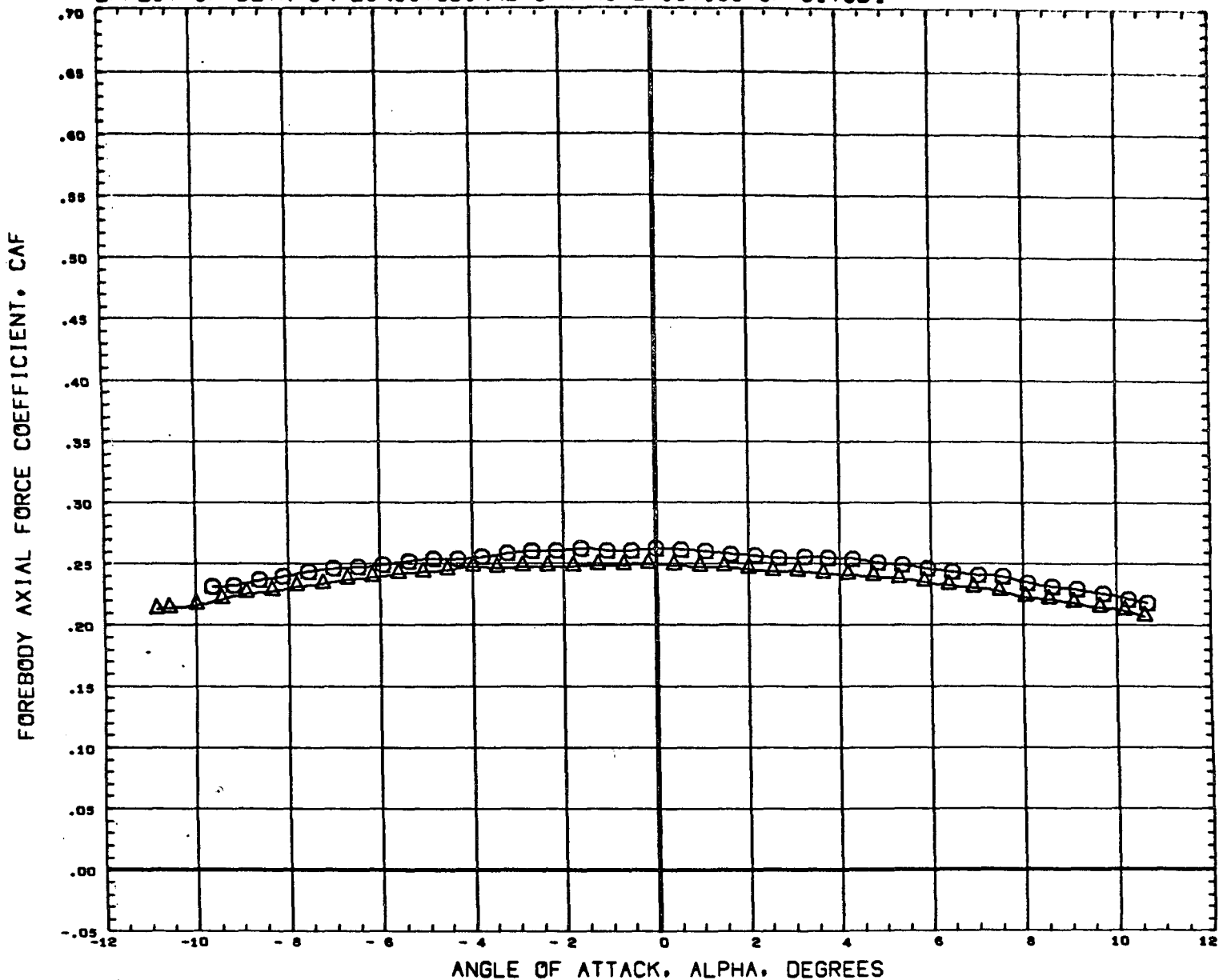
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 (CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



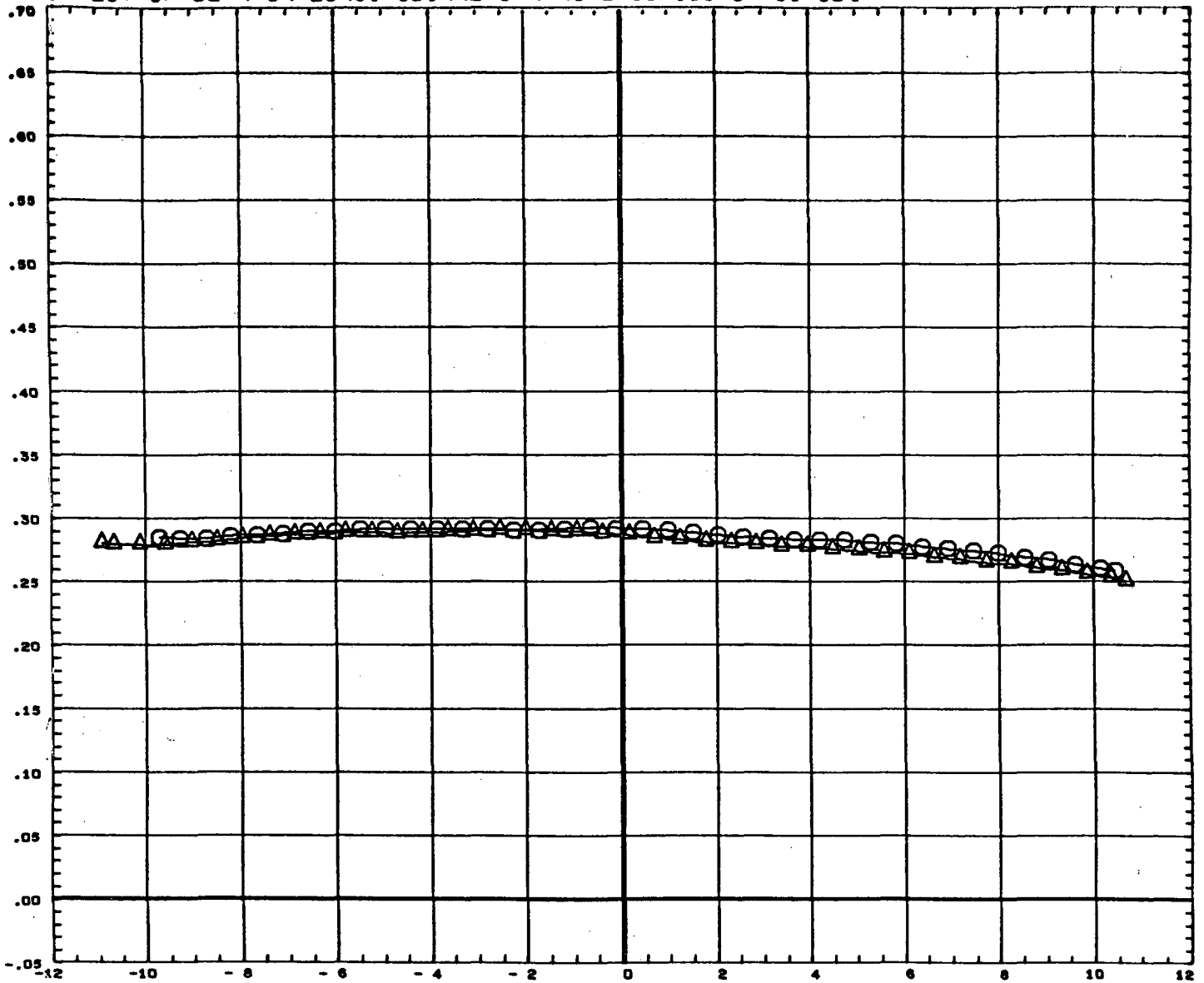
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(C07522)	MDAC S-222 COMPOSITE (T-C6) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

FOREBODY AXIAL FORCE COEFFICIENT, CAF



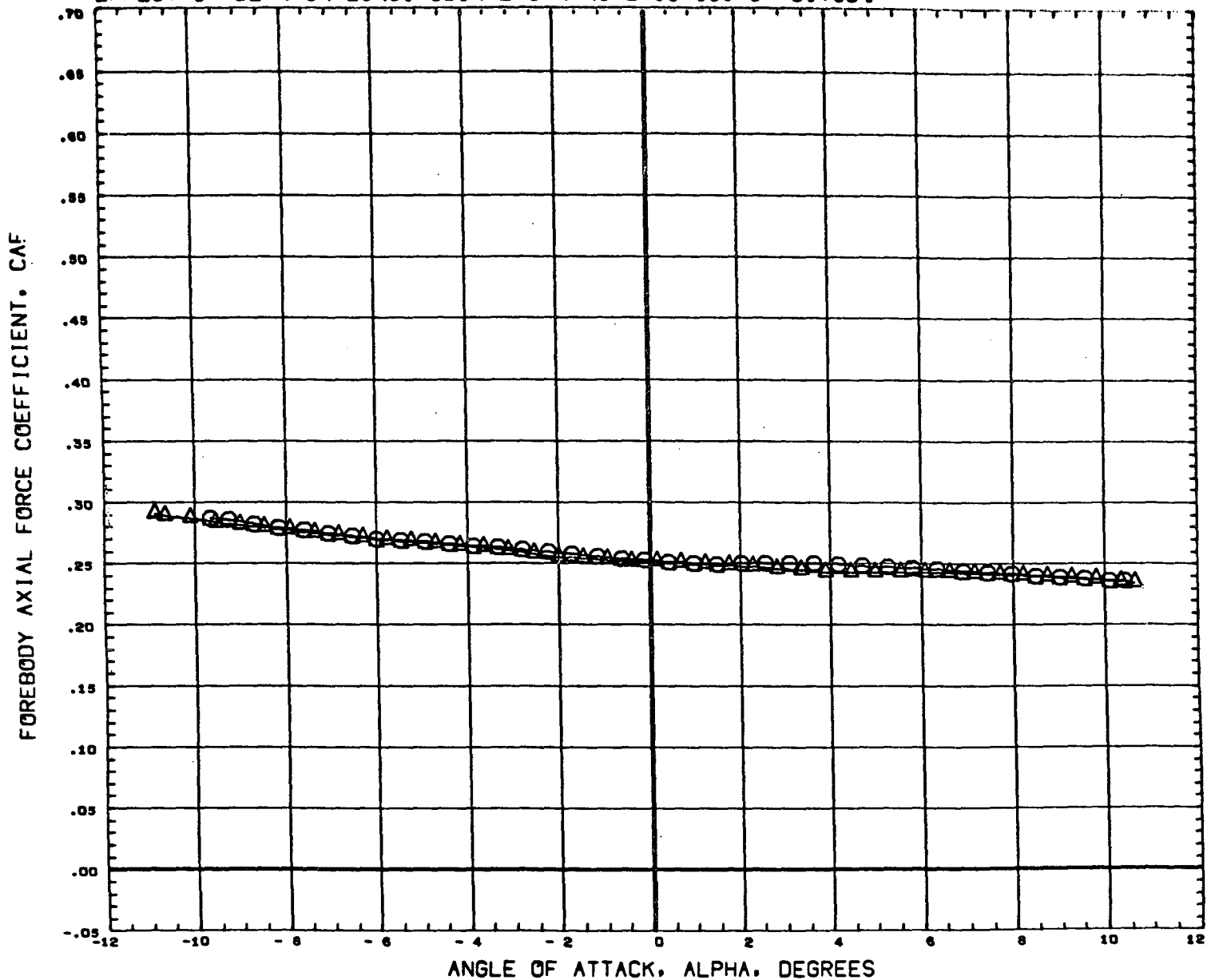
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(CD7522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

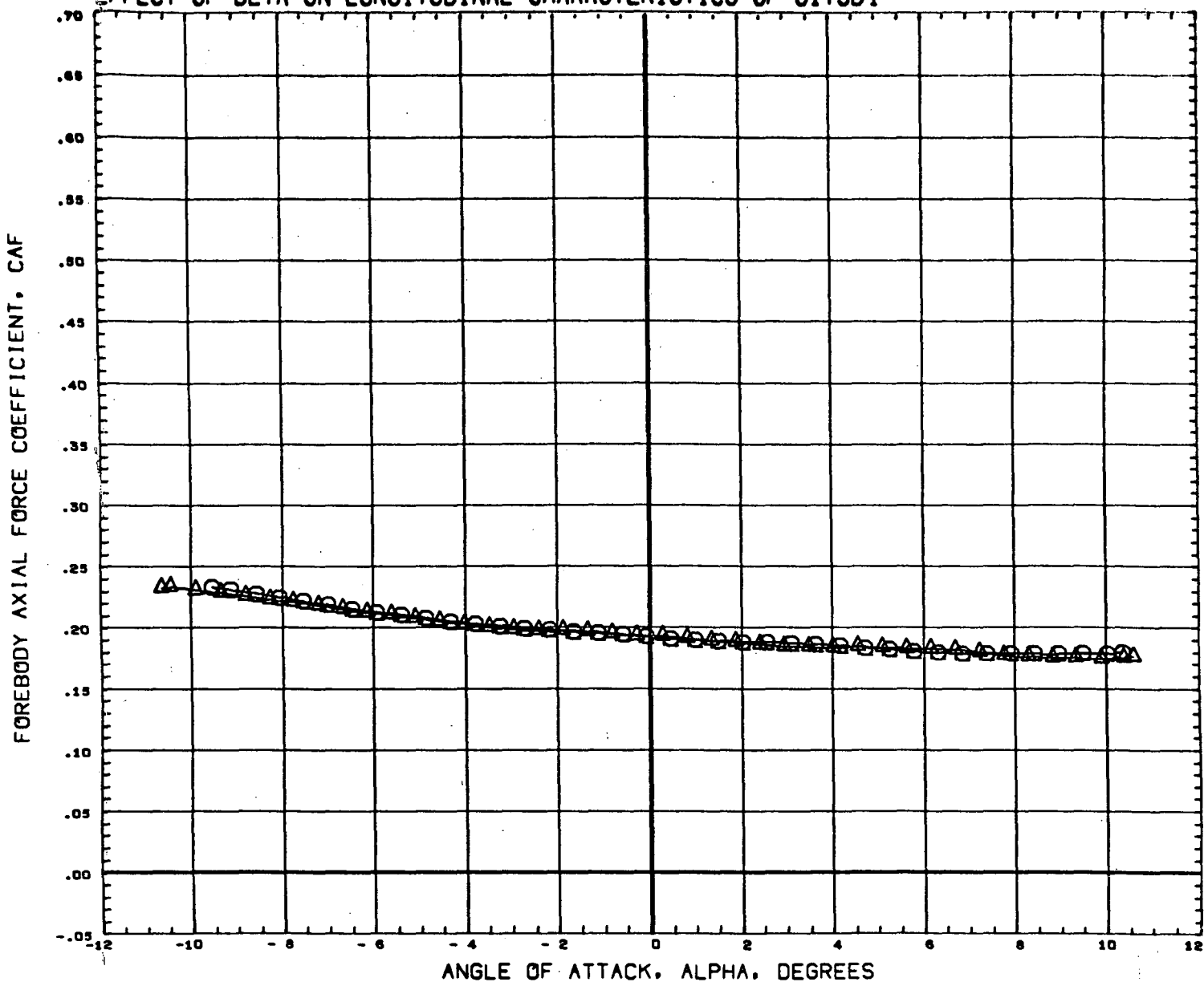


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(CD7520)	MDAC S-222 COMPOSITE (T-C6) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7522)	MDAC S-222 COMPOSITE (T-C6) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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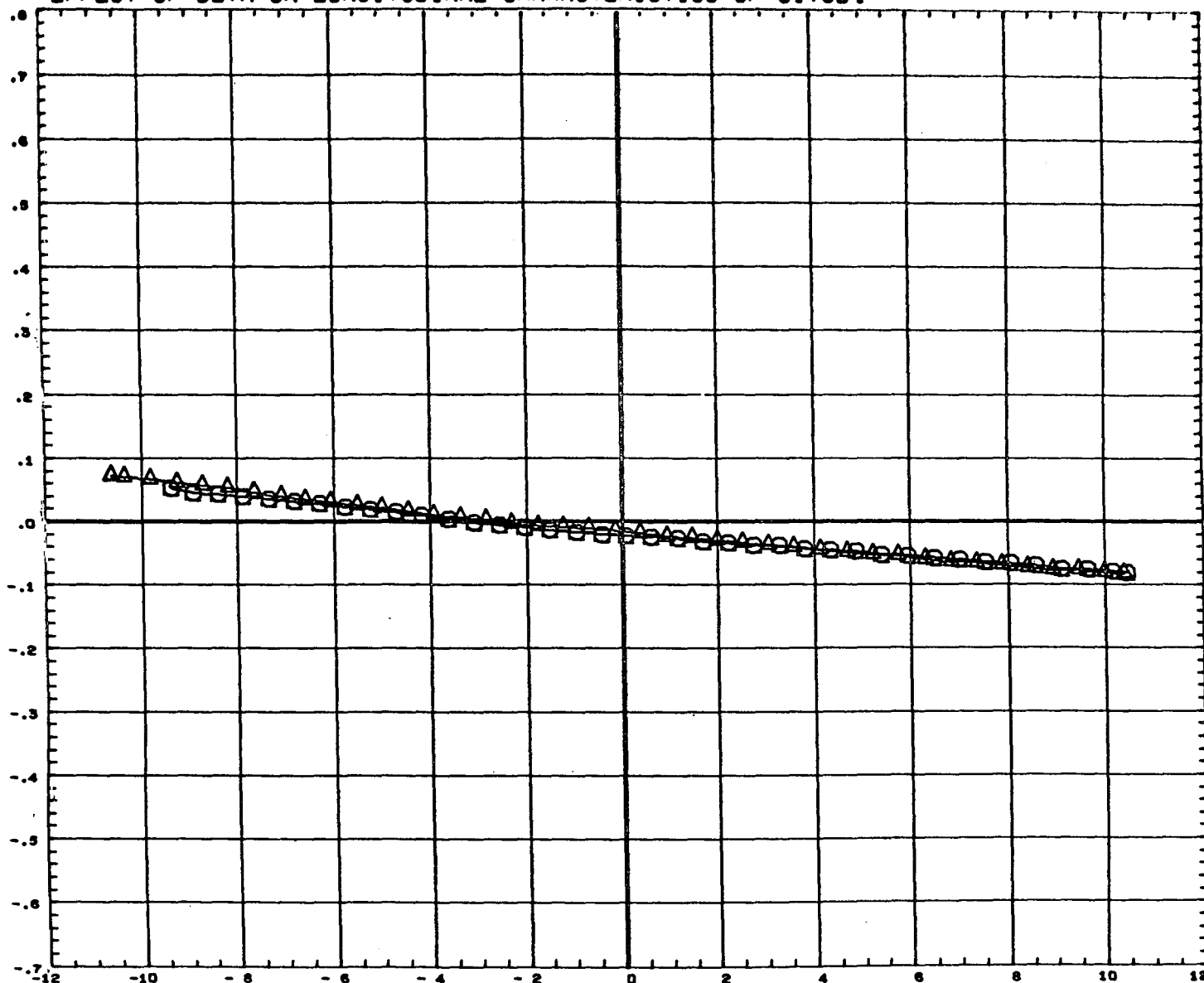
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA ELEVTR AILRON RUDDER
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 6.000 0.000 0.000 0.000

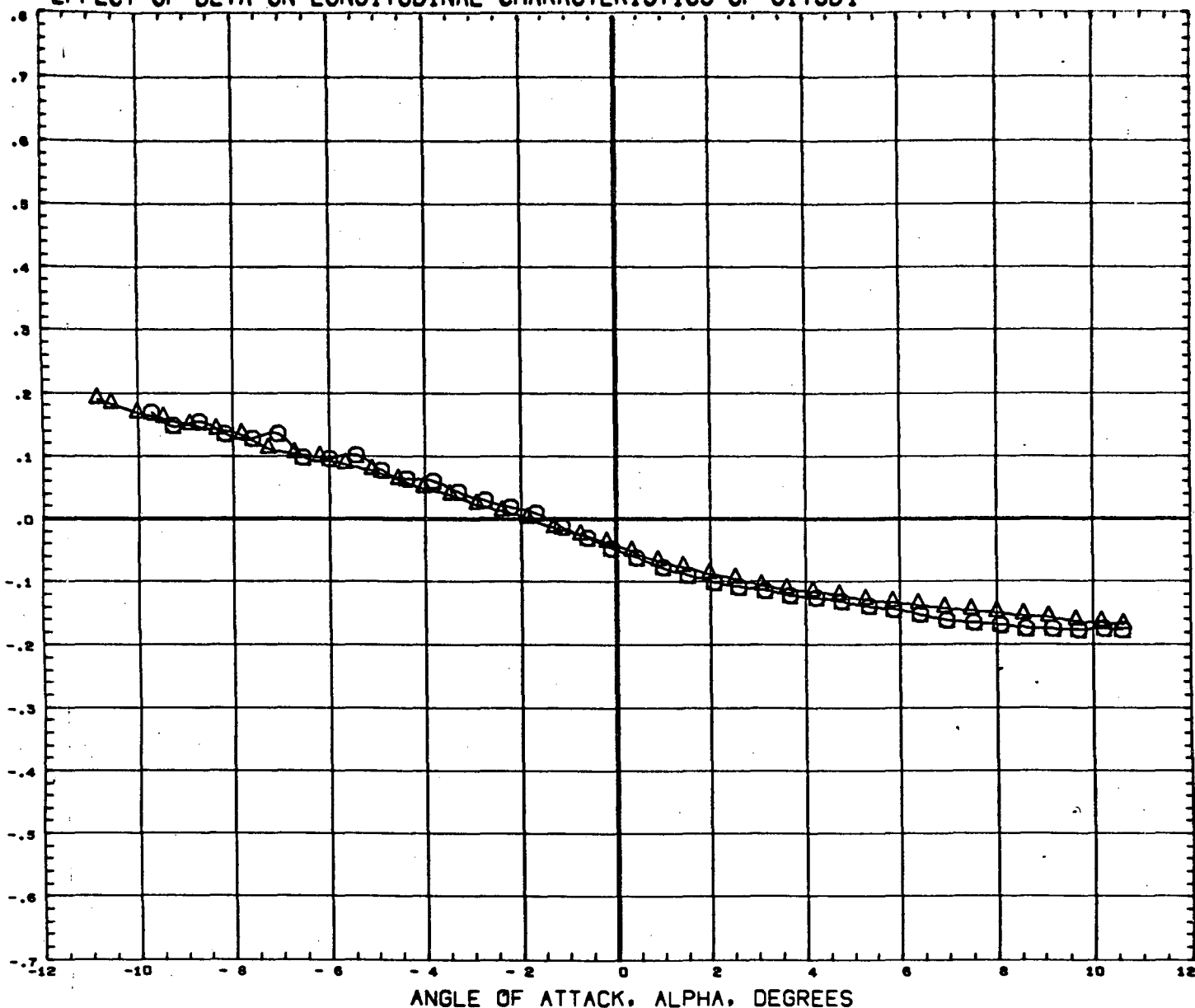
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 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0066

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

PITCHING MOMENT COEFFICIENT, CLM



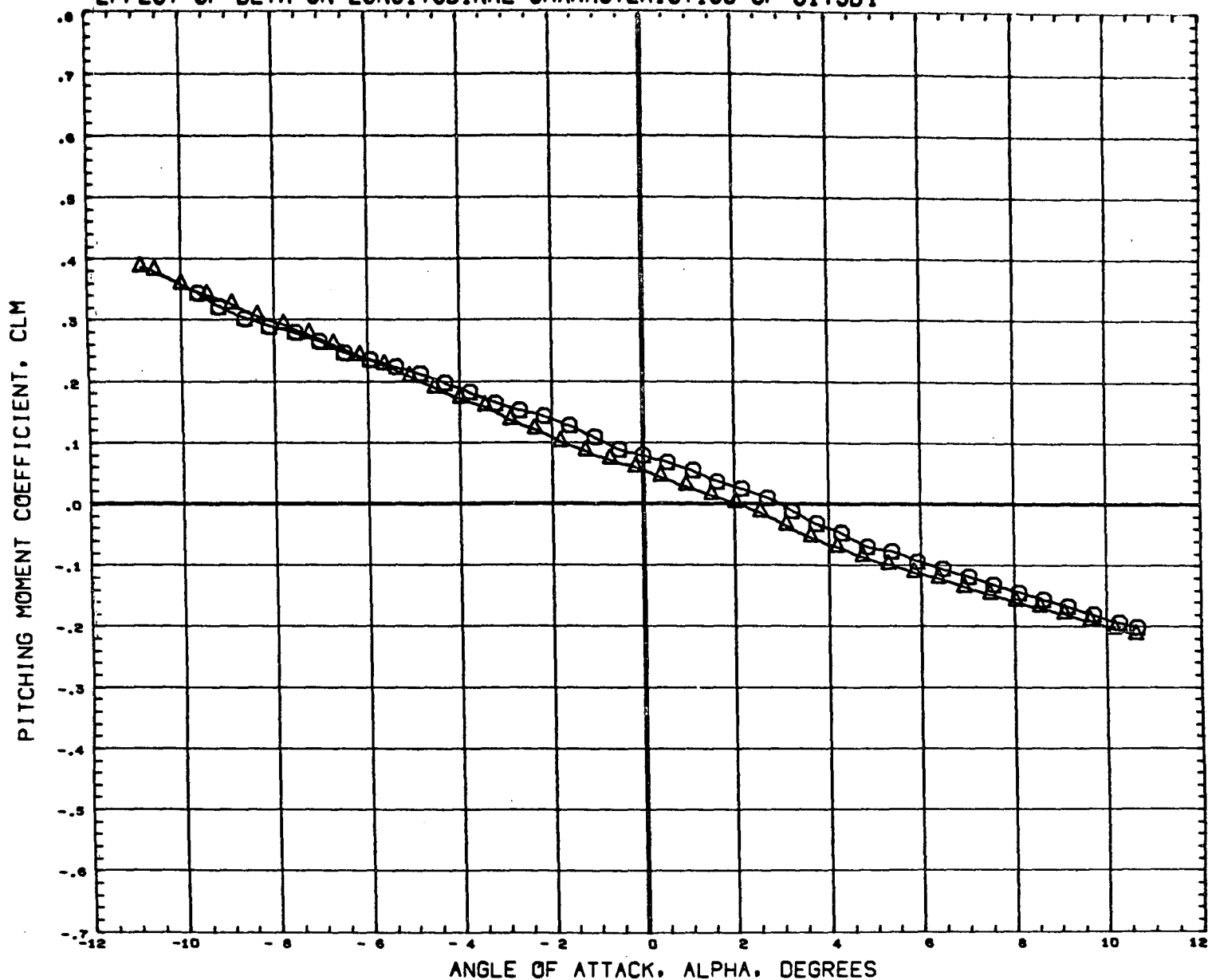
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 (CD7522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



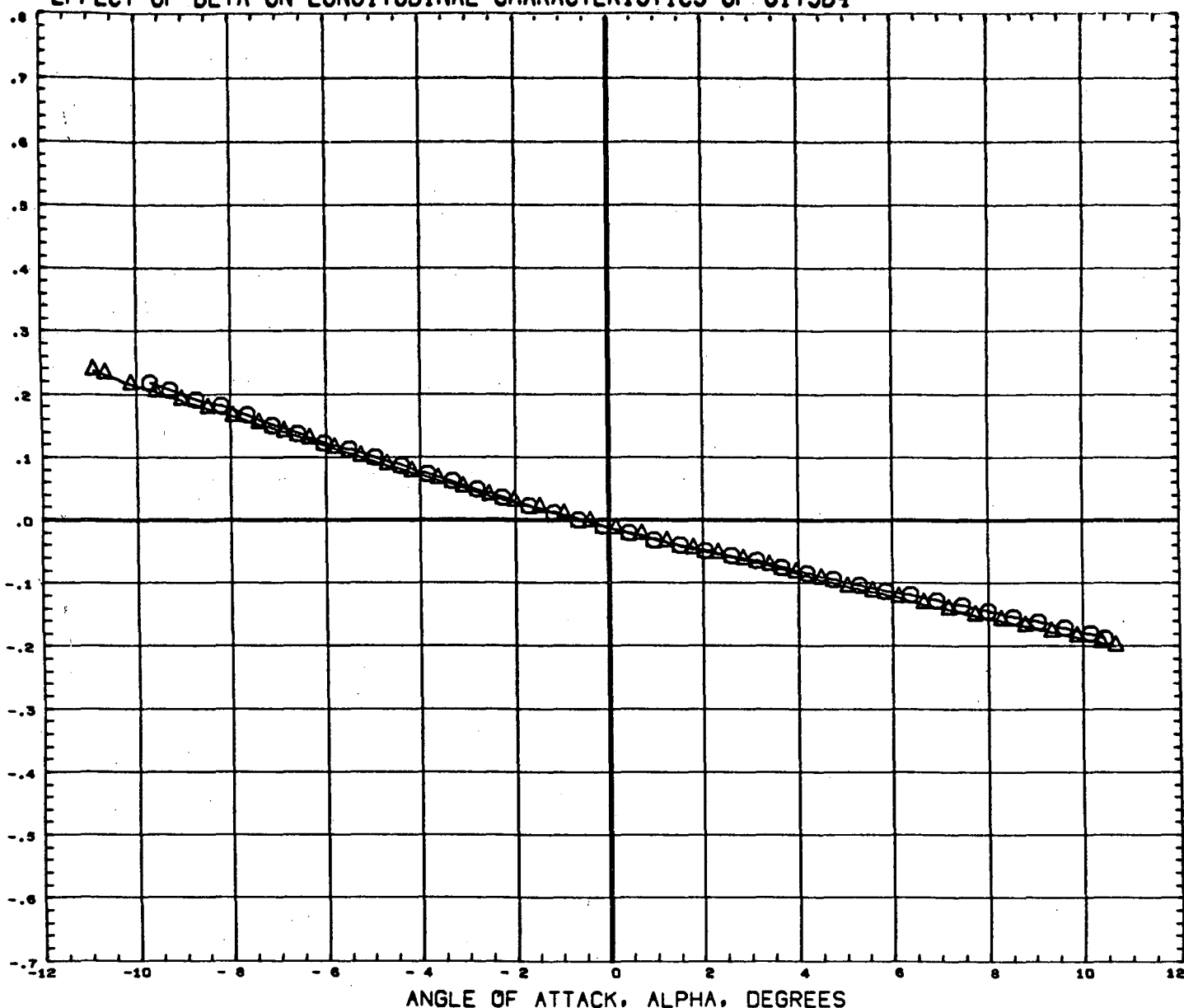
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(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

PITCHING MOMENT COEFFICIENT, CLM



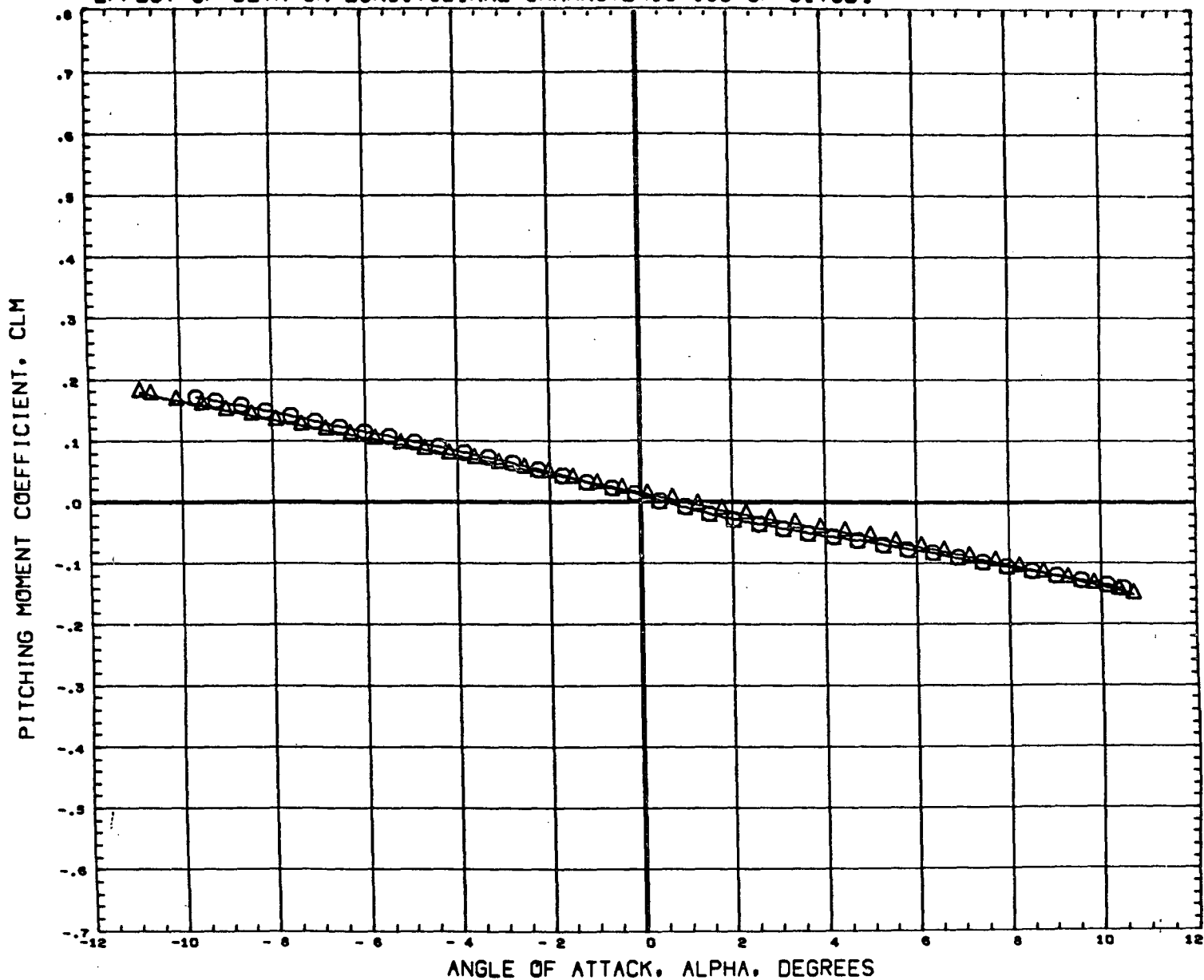
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(CD7522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



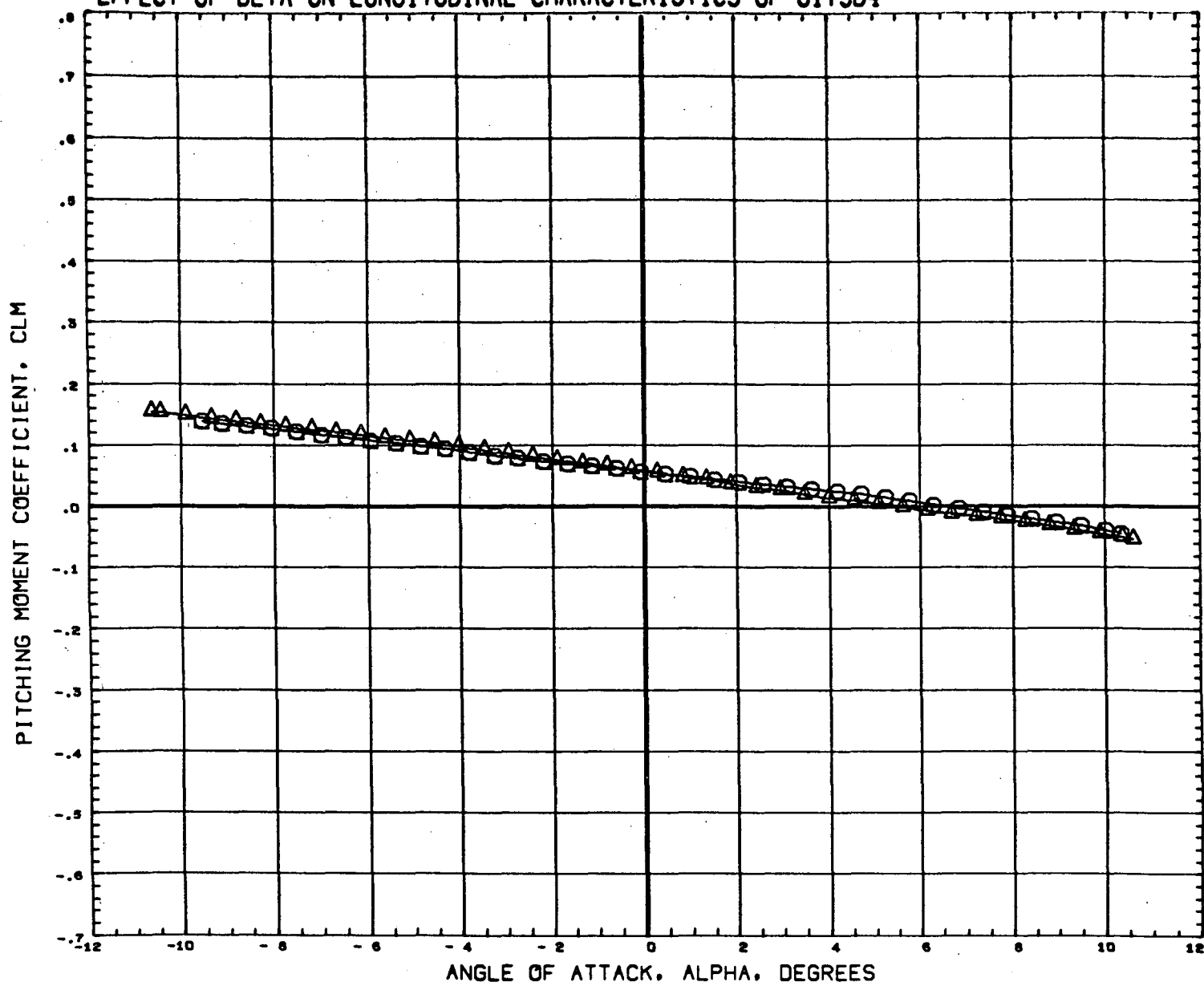
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(CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



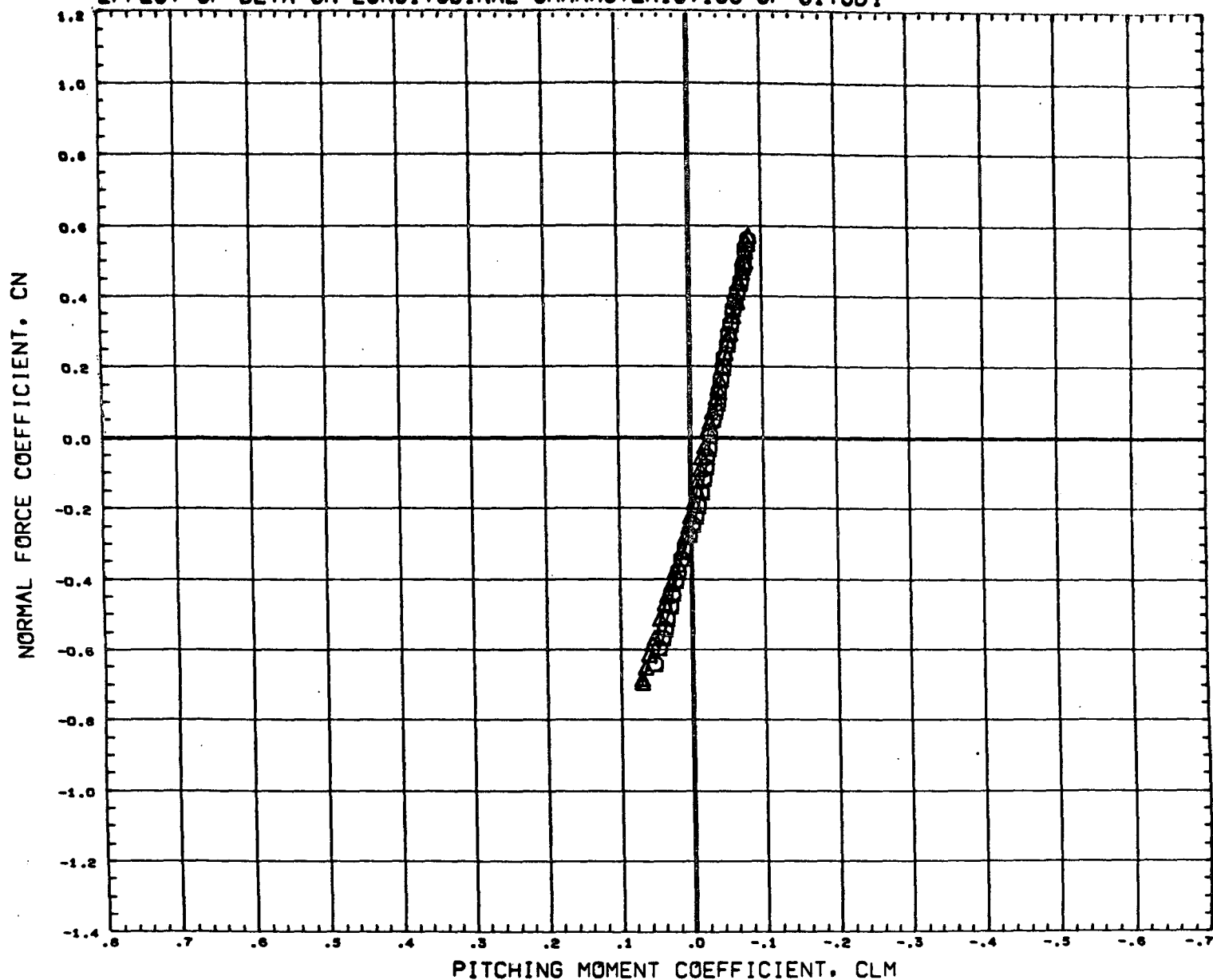
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 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



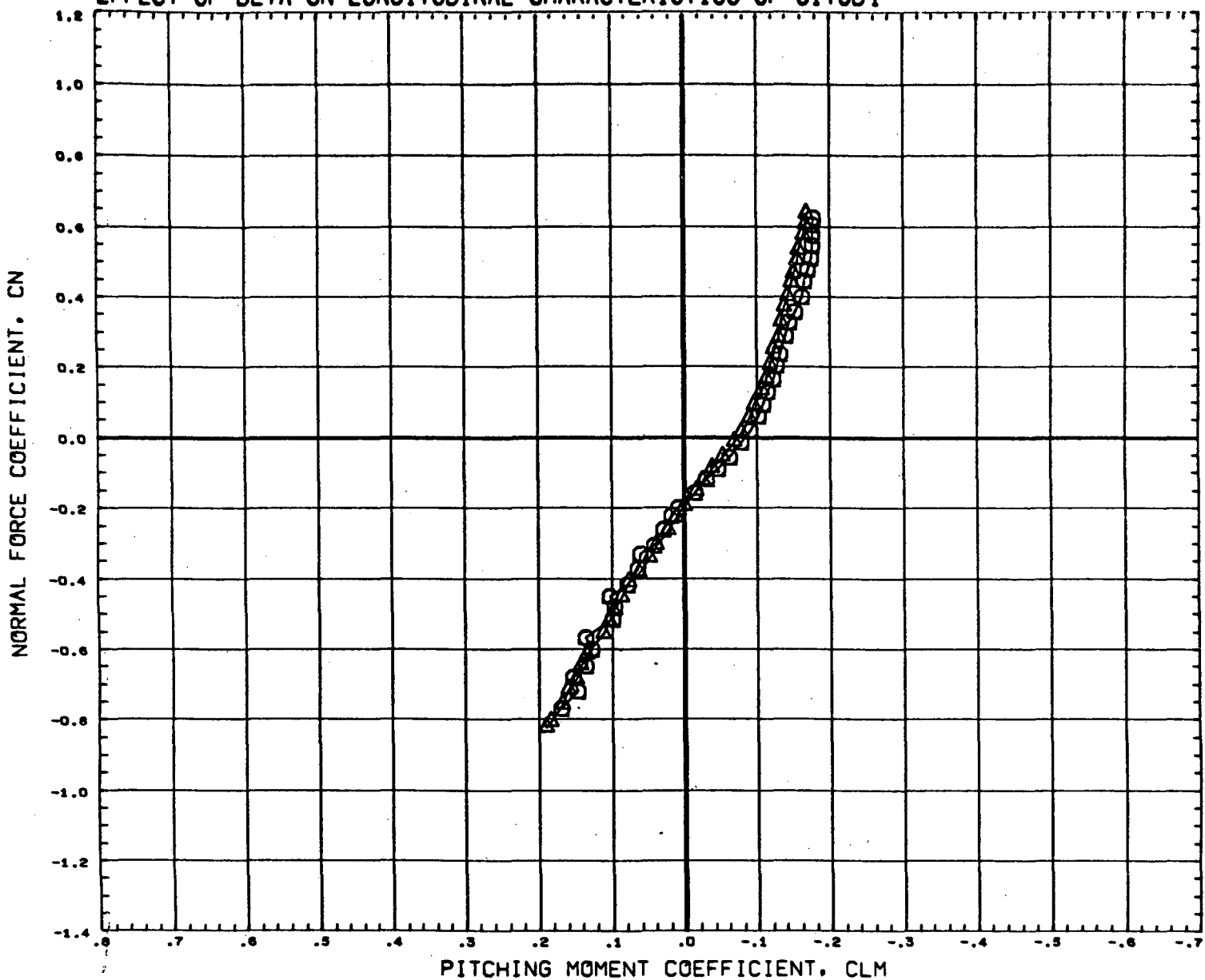
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 (C07522)  MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



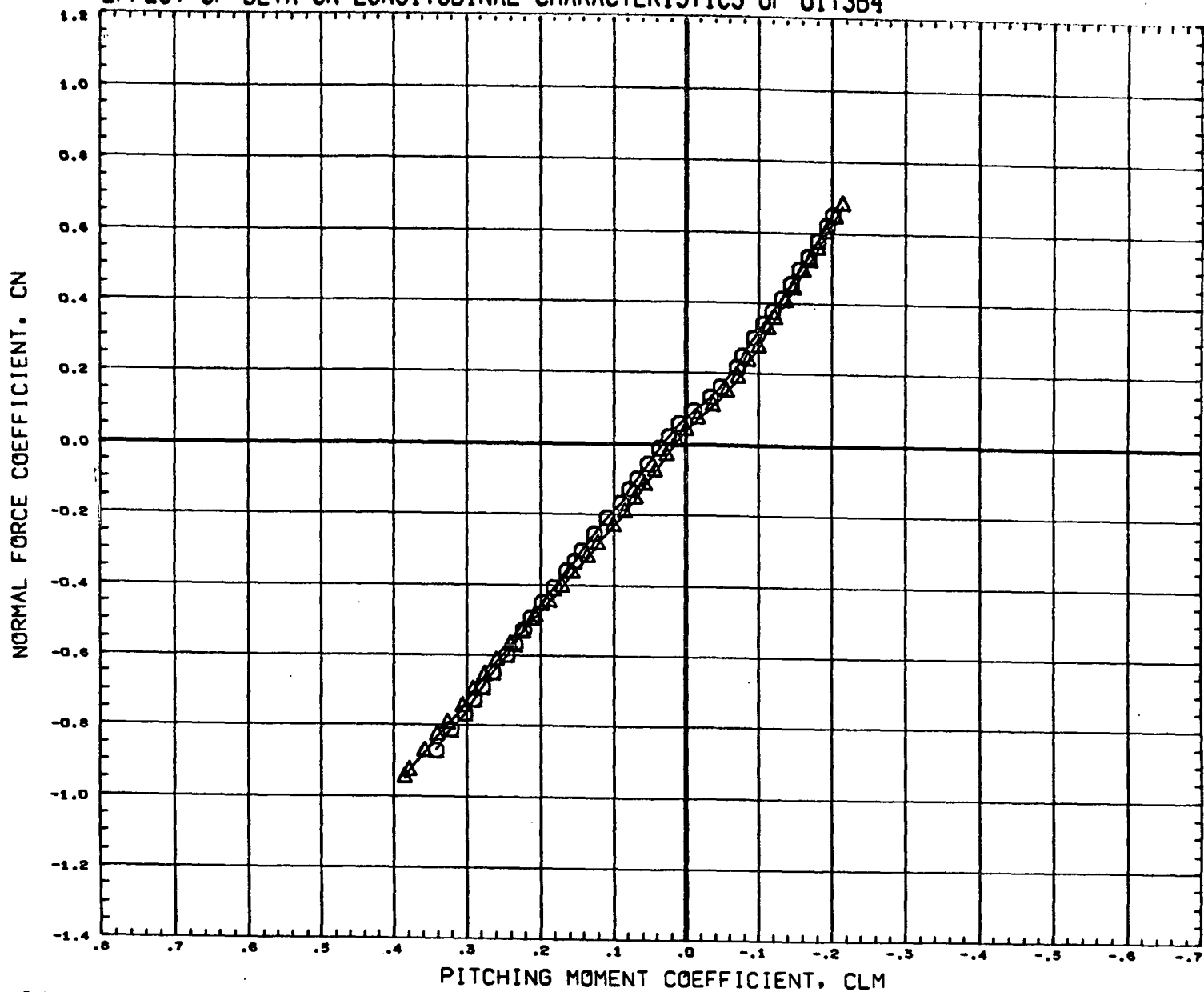
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(CD7922)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

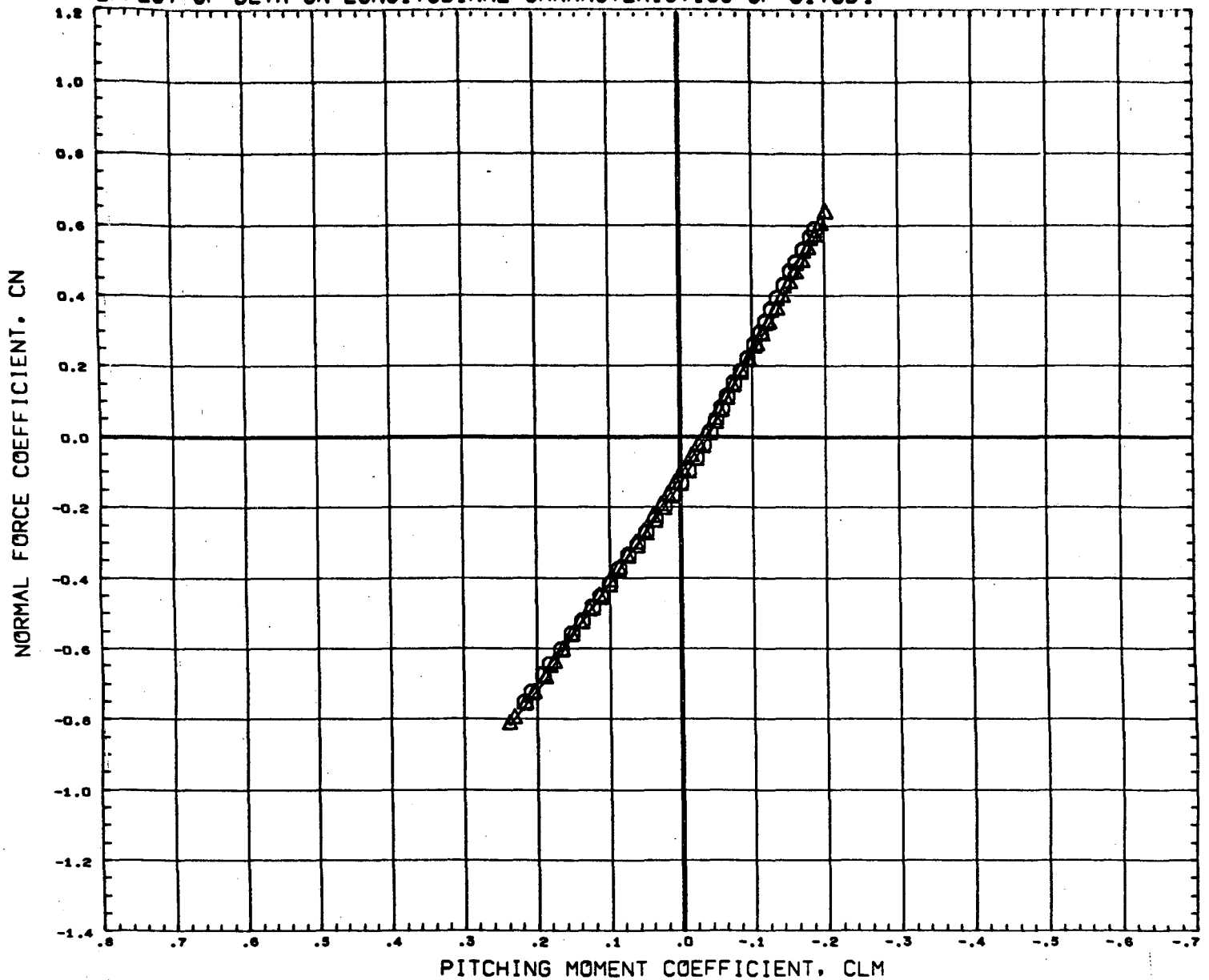


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



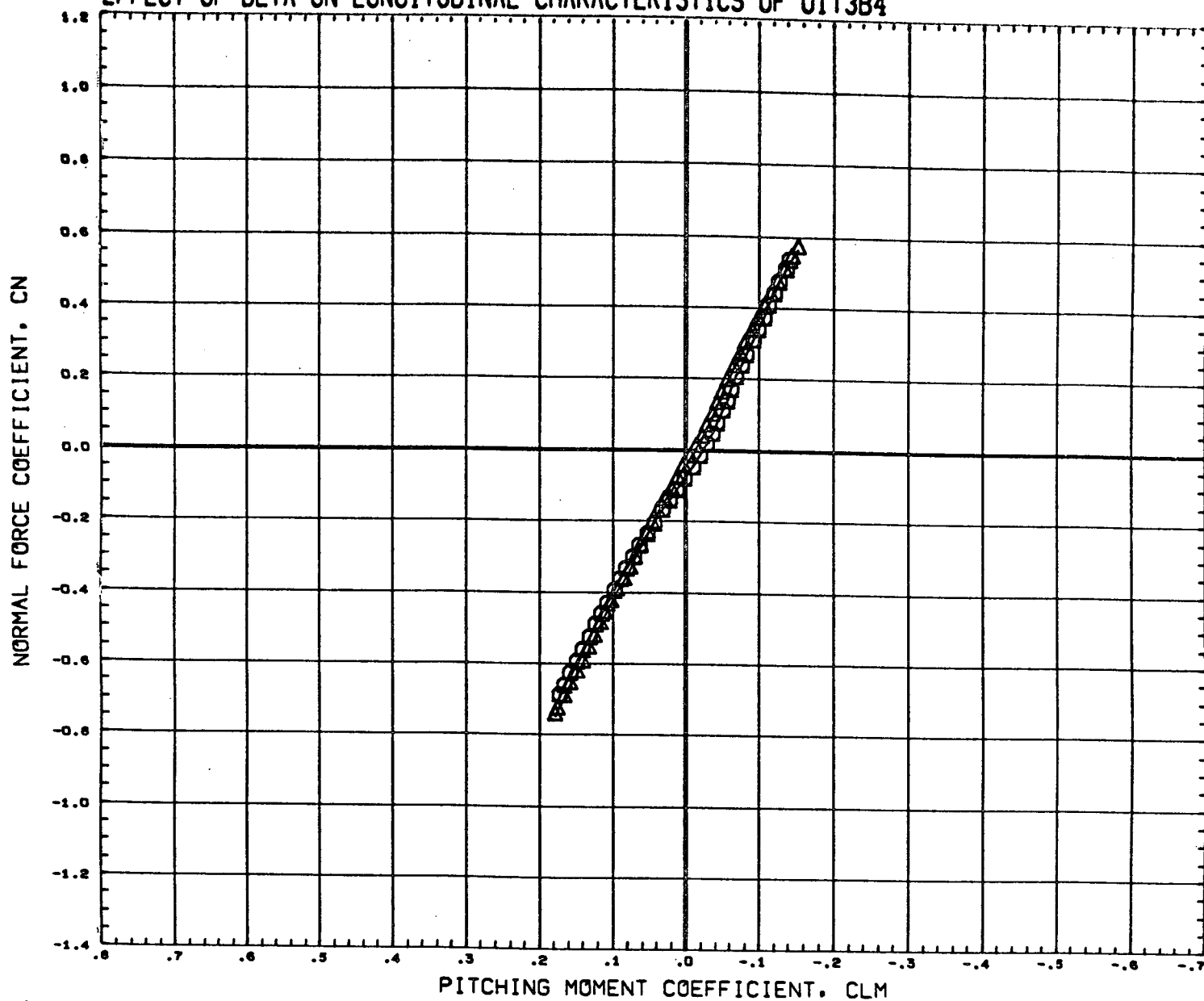
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 (CD7522) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



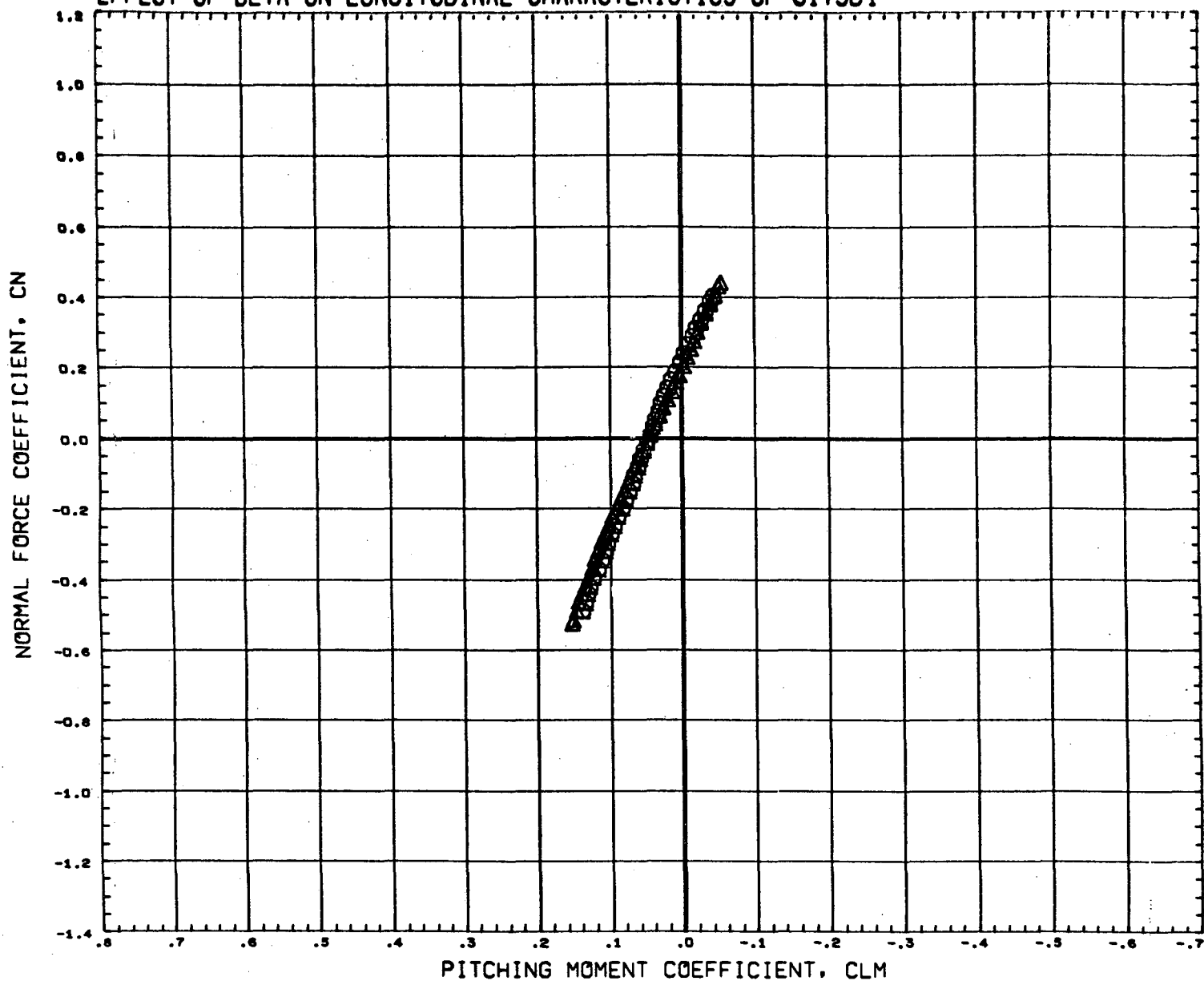
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 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



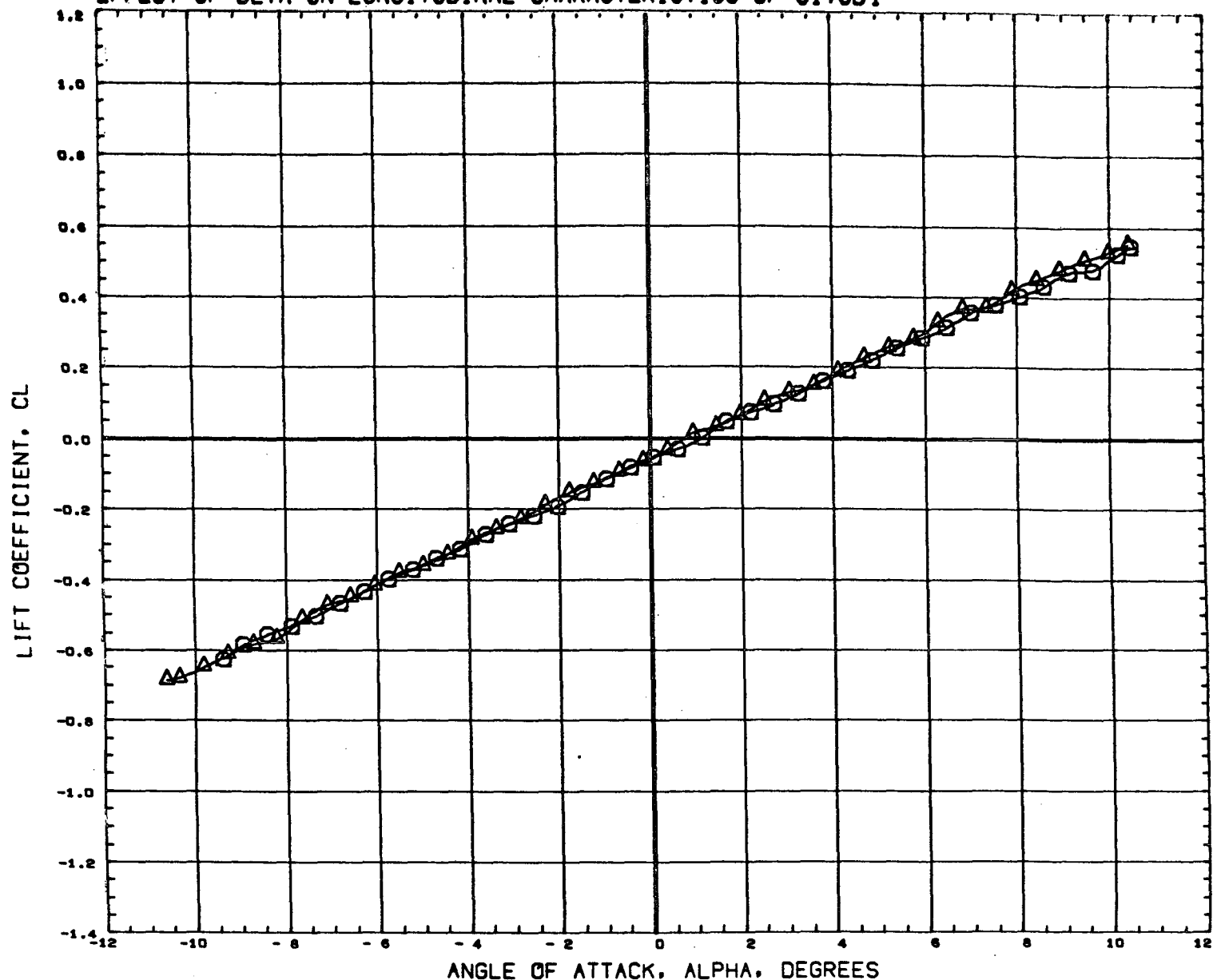
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(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

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				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



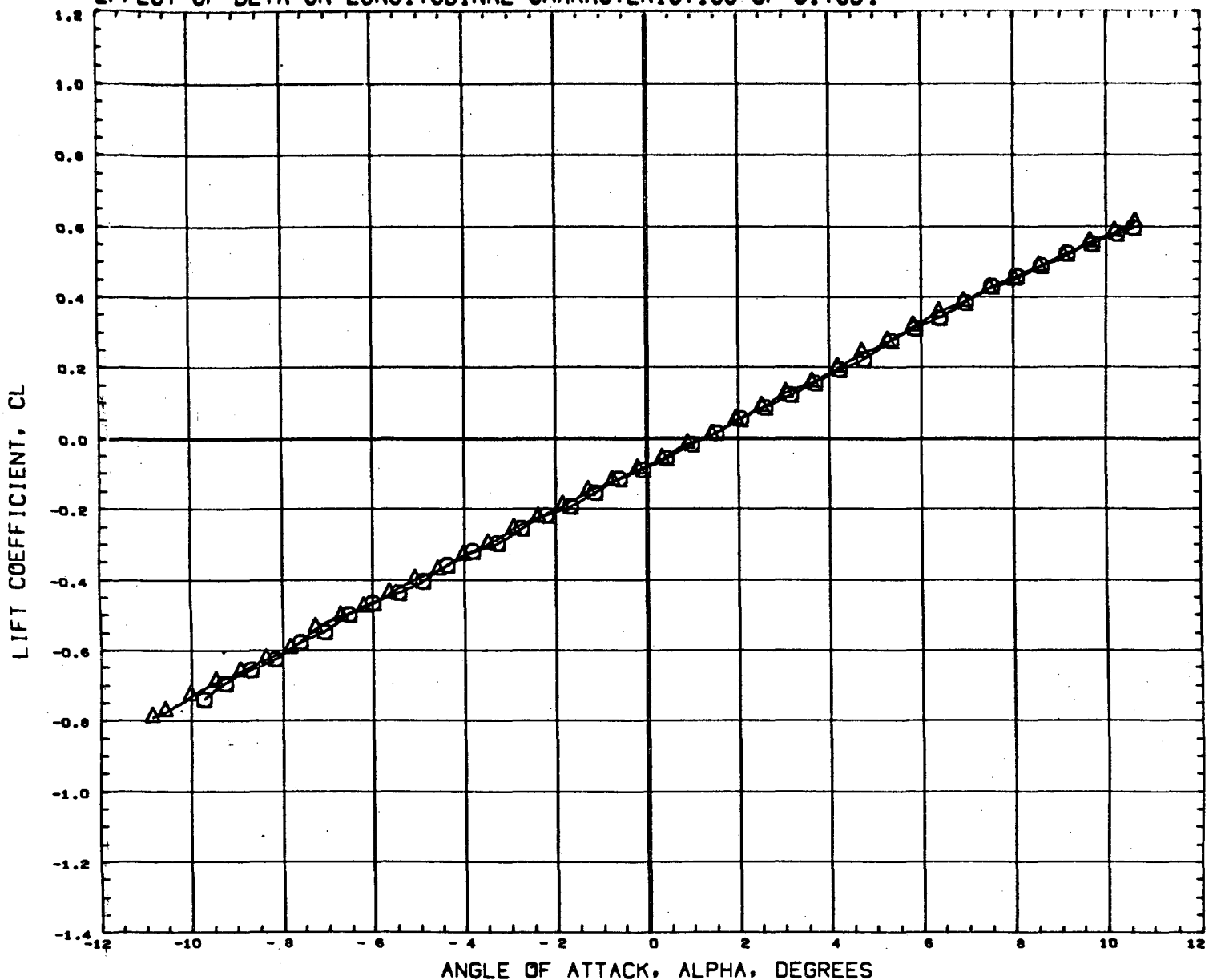
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(CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
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				SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



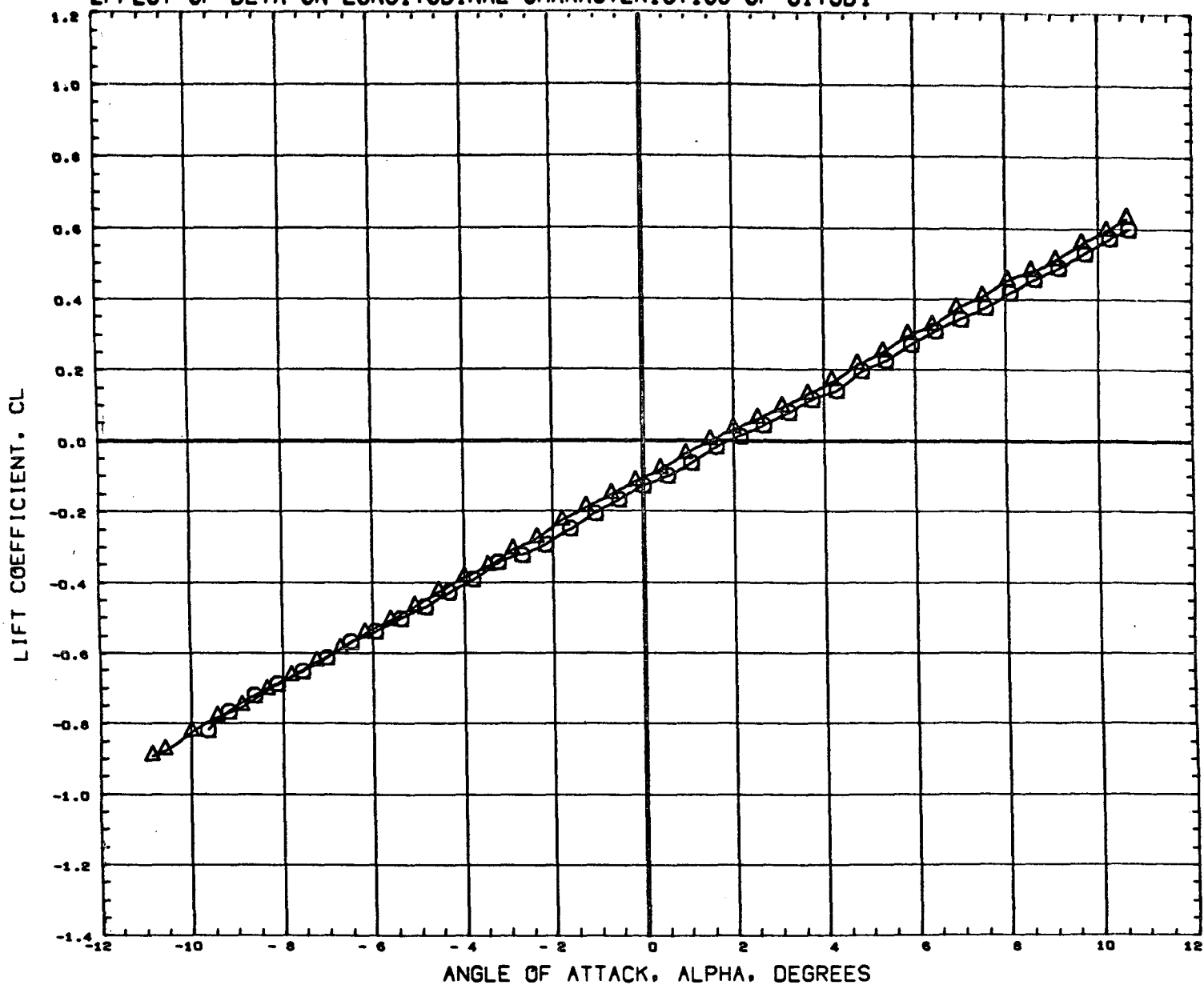
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(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



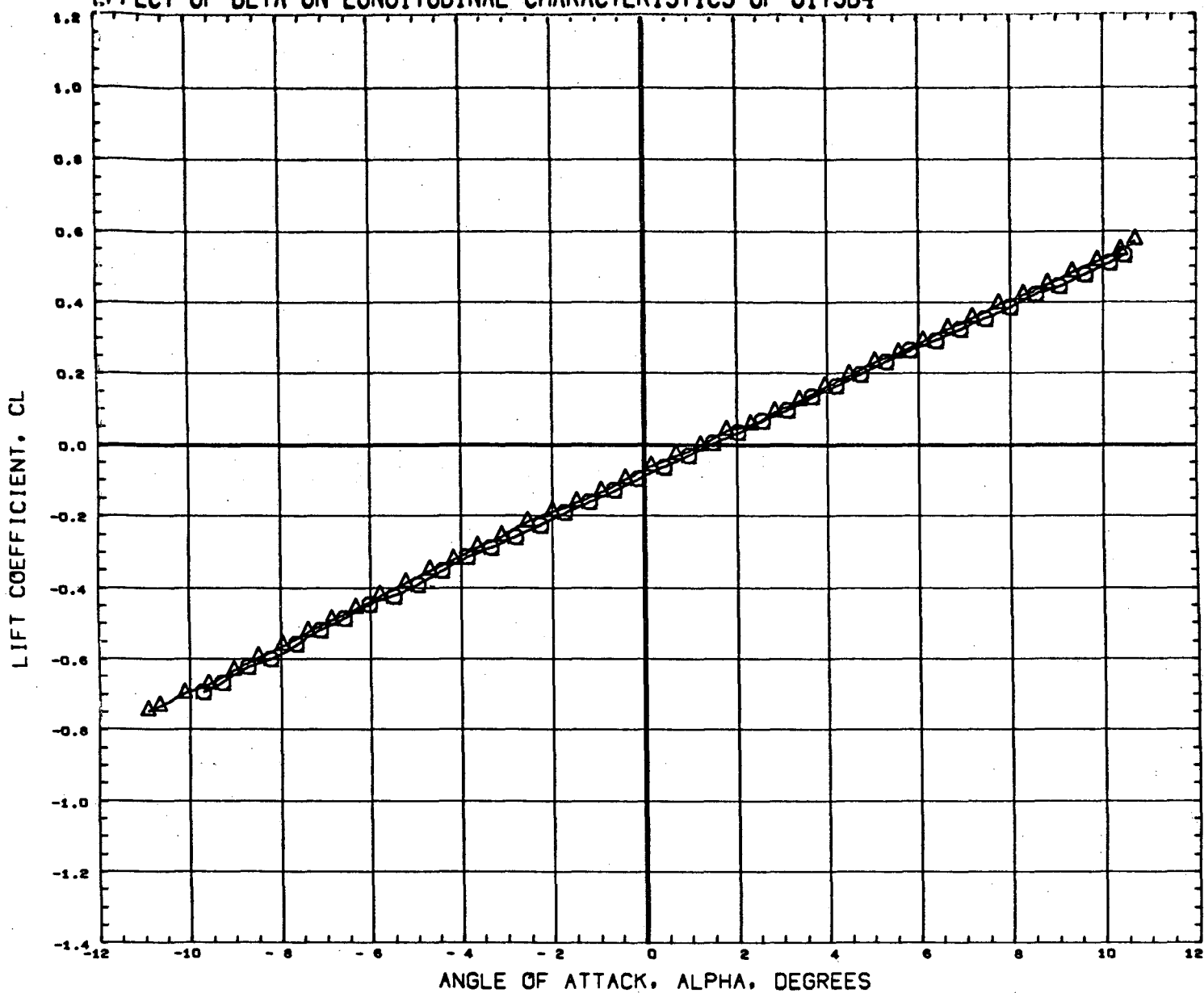
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(CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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				XMRP	557.0004 IN.
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MACH 1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



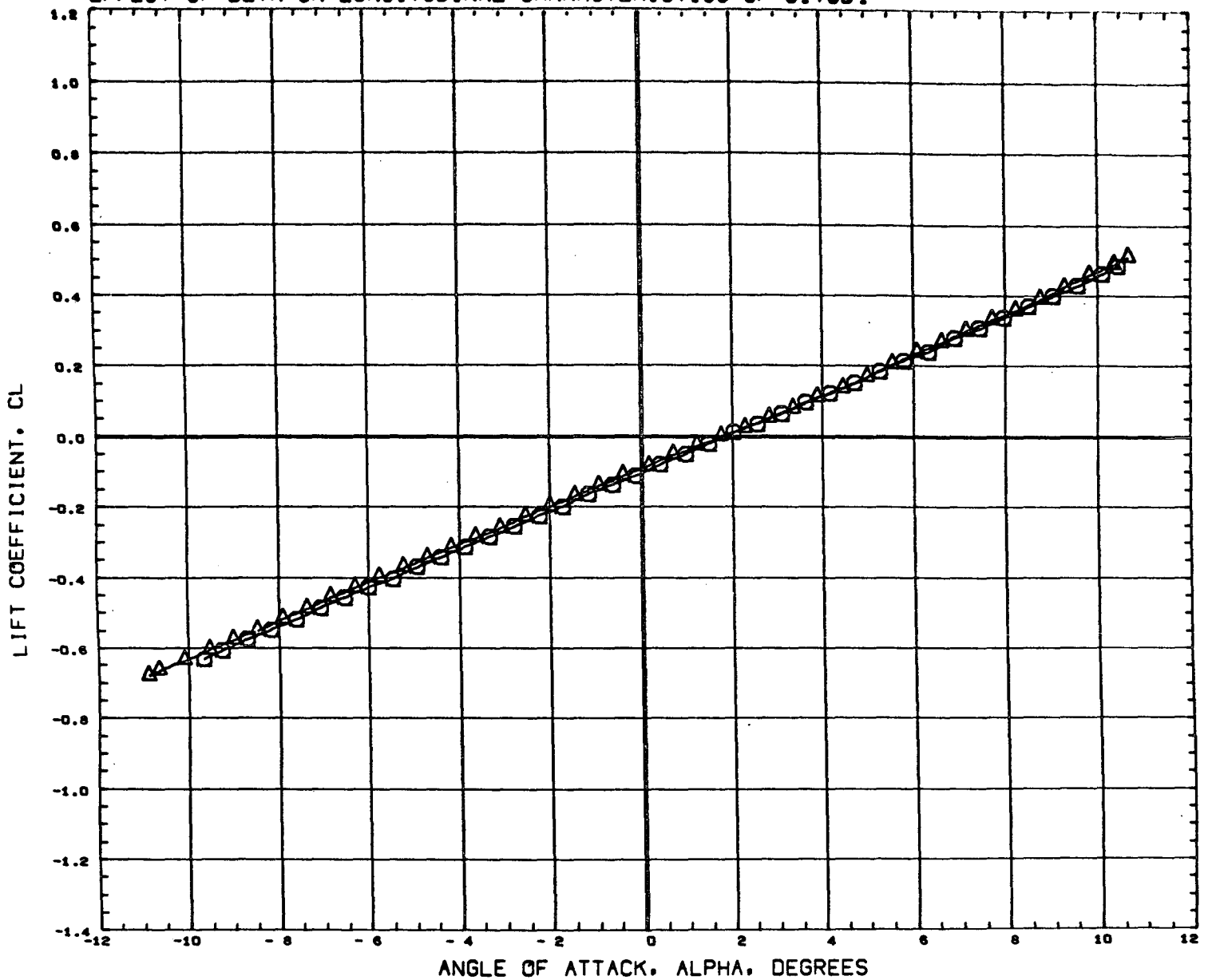
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 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

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6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
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MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



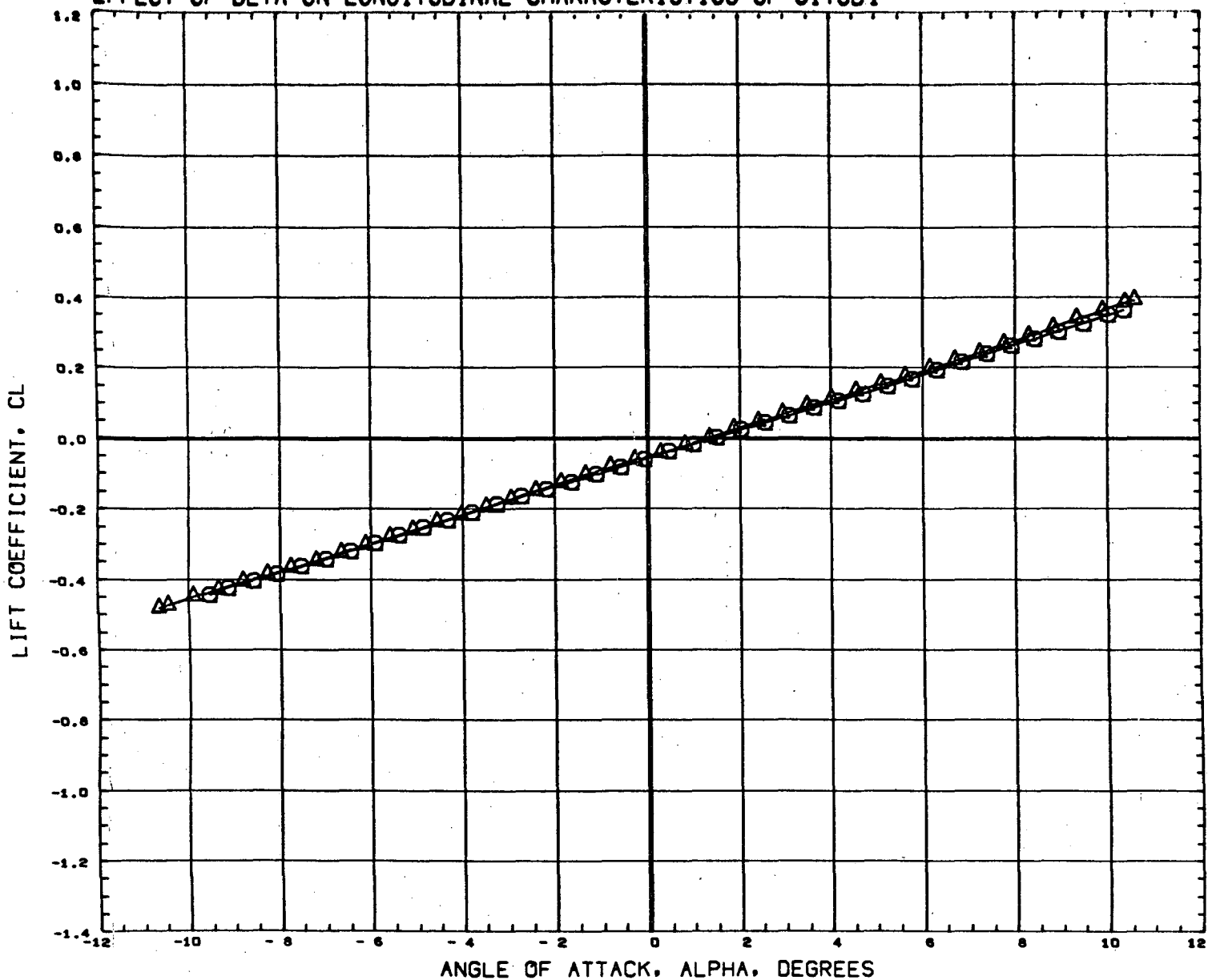
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(CD7522) Δ	MDAC S-222 COMPOSITE (T-CG) 01T3B4



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
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				SCALE	0.0060

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



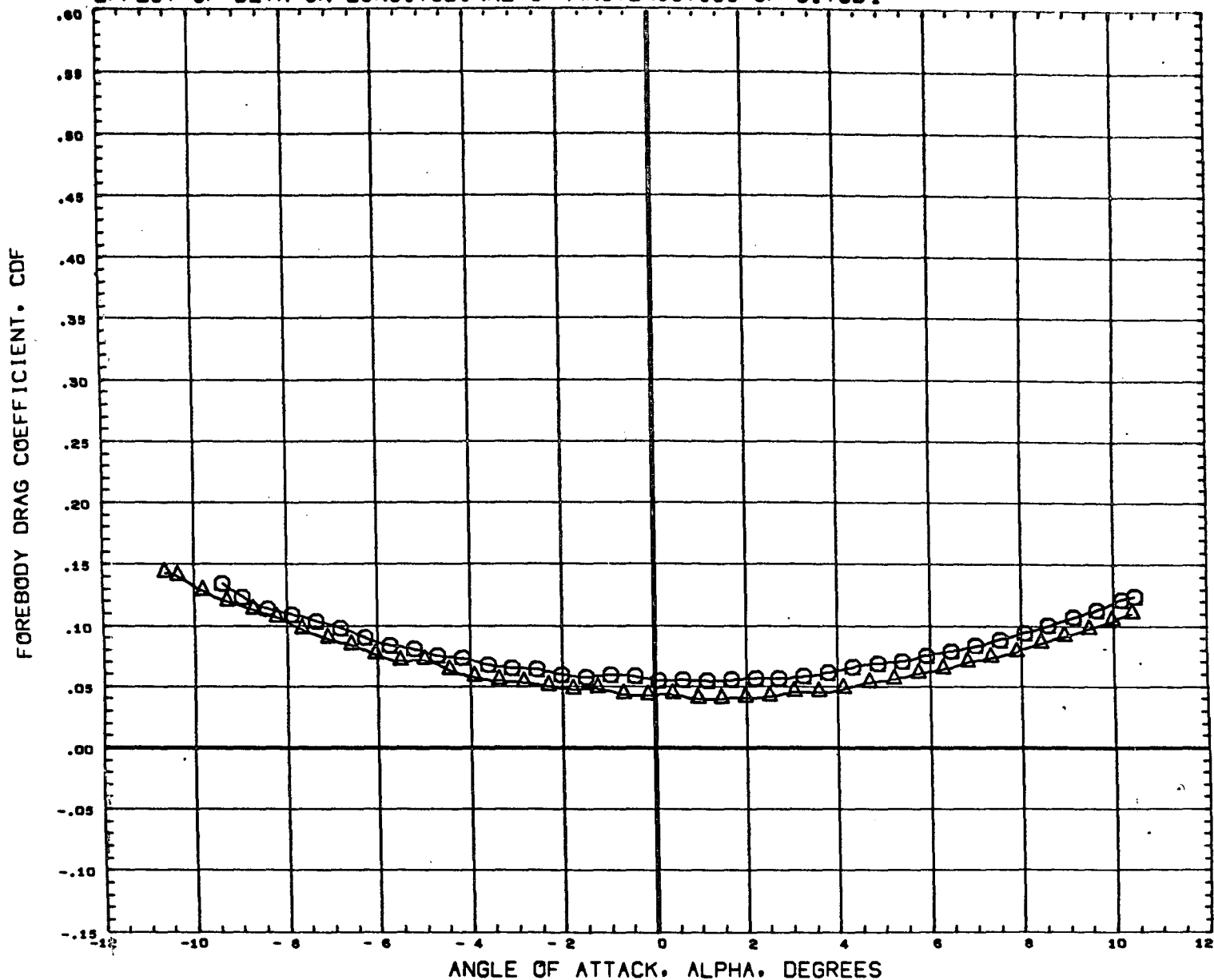
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 (CD7522)  MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
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				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
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						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

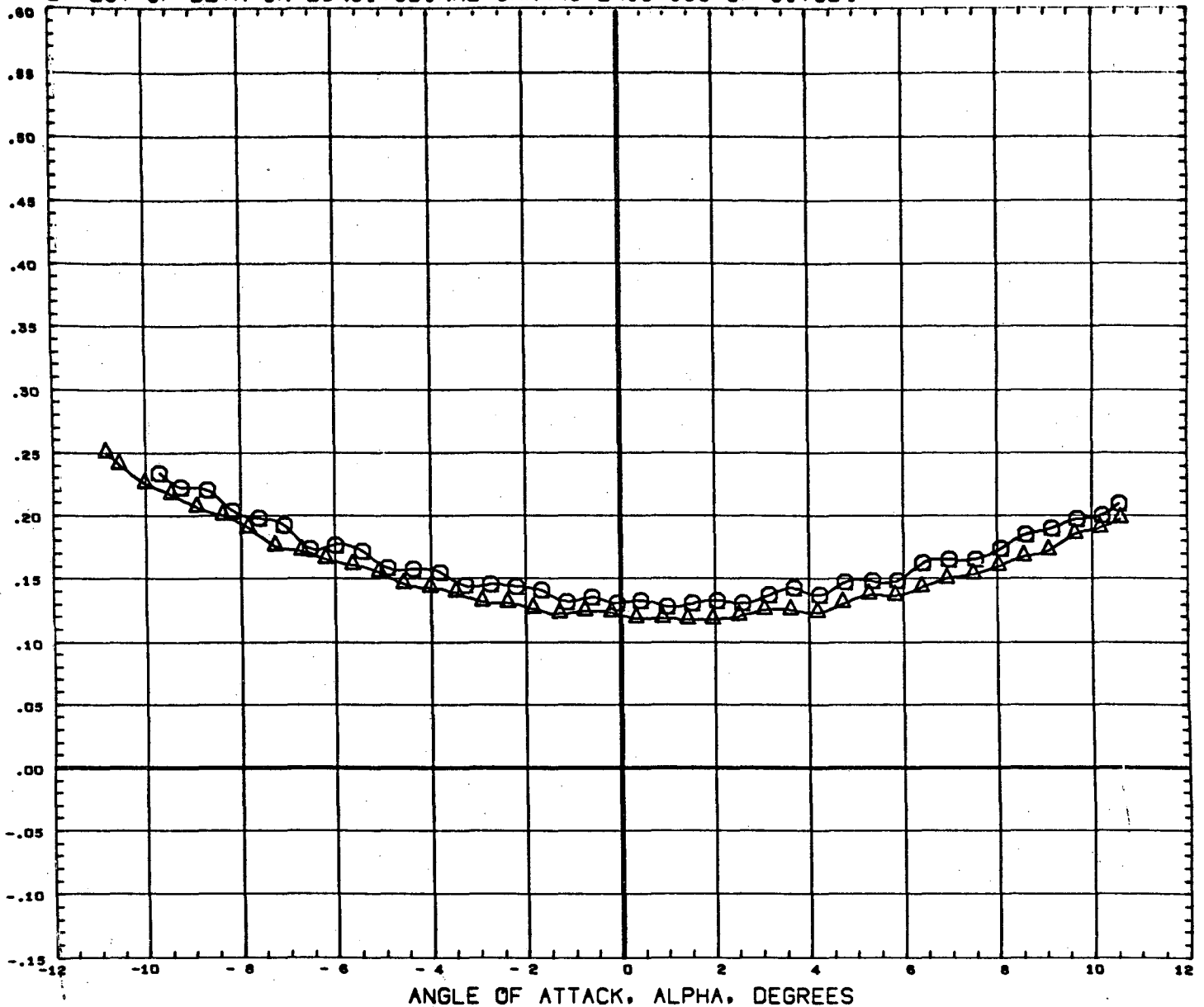
MACH

.58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

FOREBODY DRAG COEFFICIENT, CDF



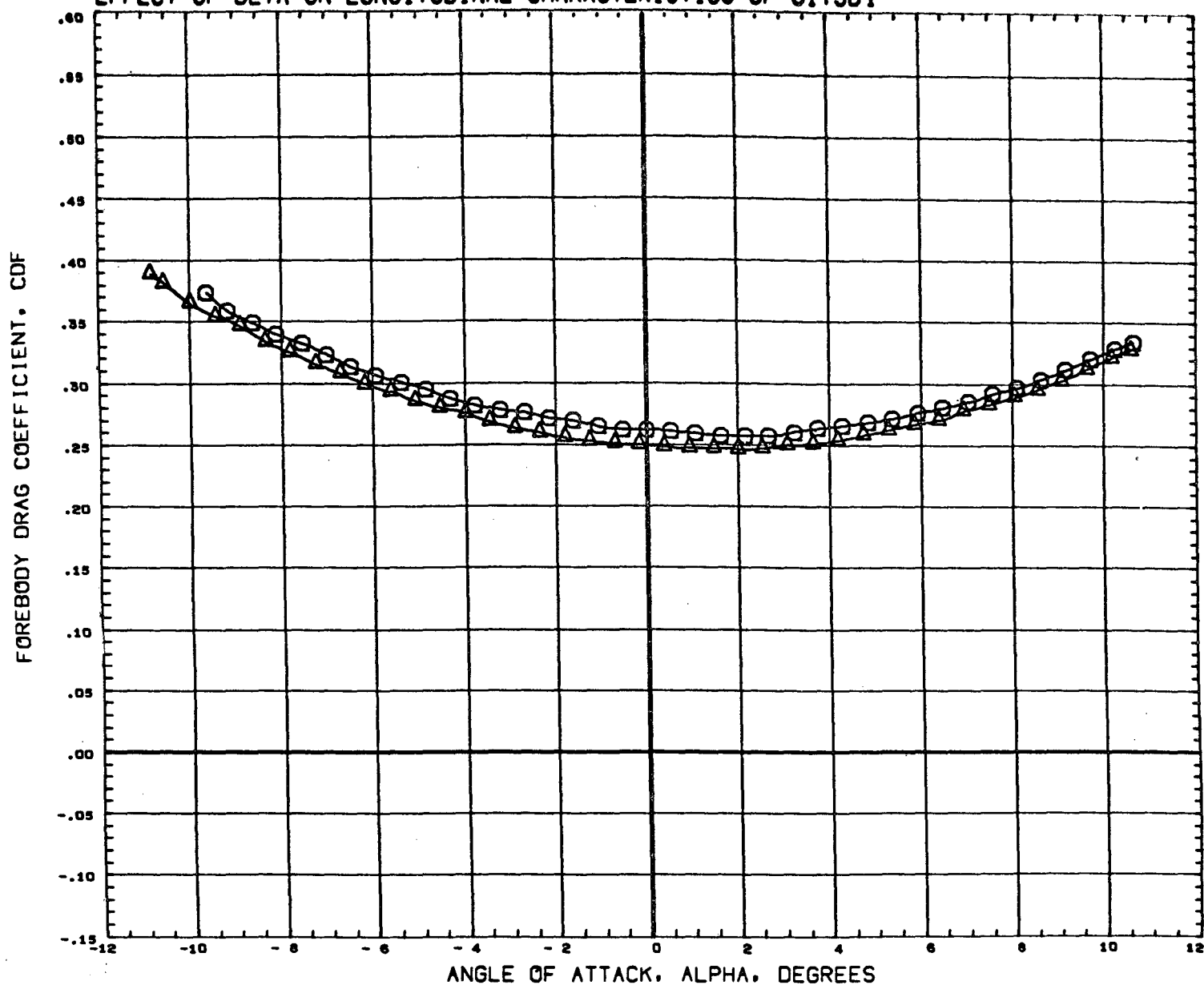
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 (CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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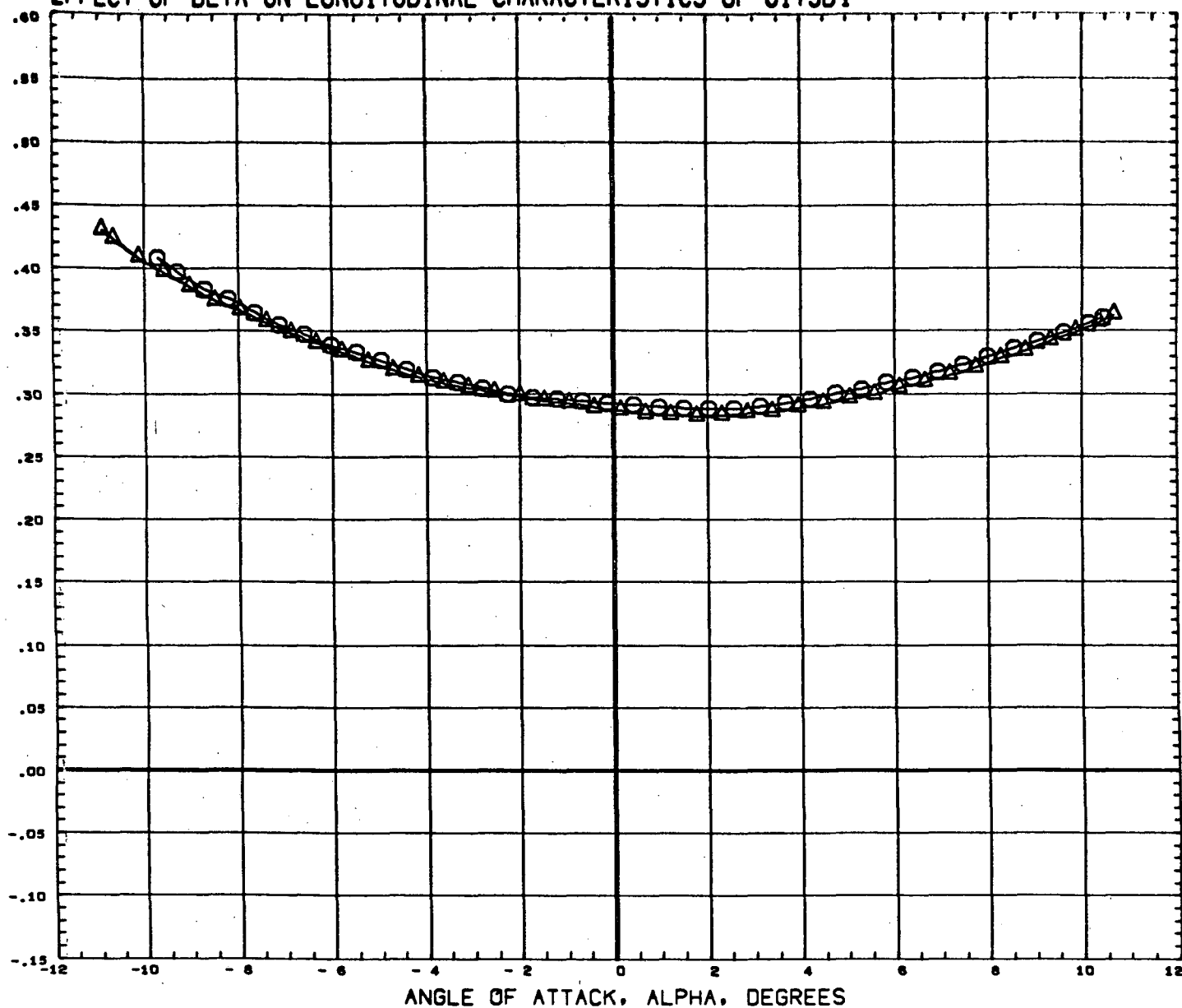
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				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
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MACH 1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

FOREBODY DRAG COEFFICIENT, CDF



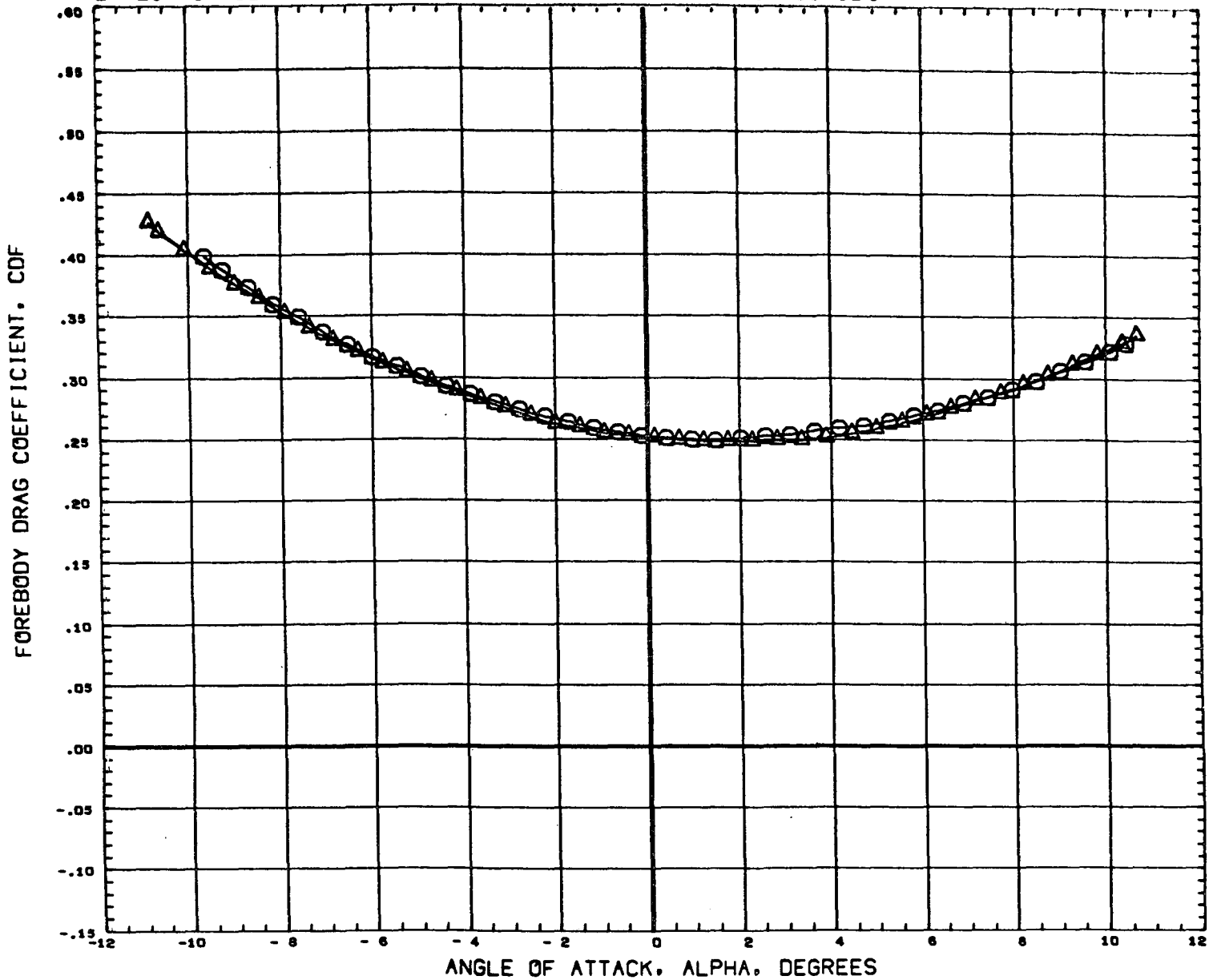
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(CD7522) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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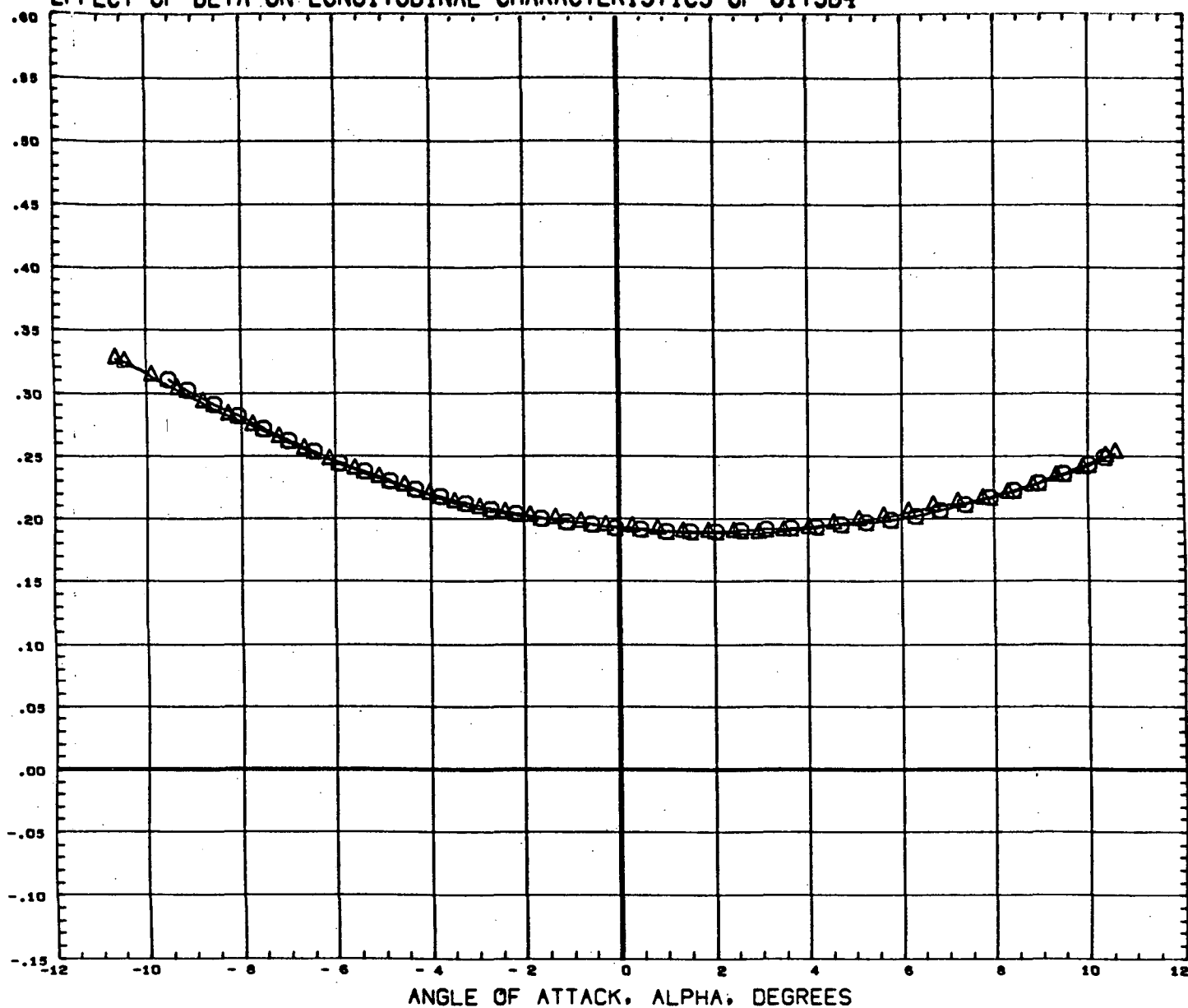
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				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

FOREBODY DRAG COEFFICIENT, CDF



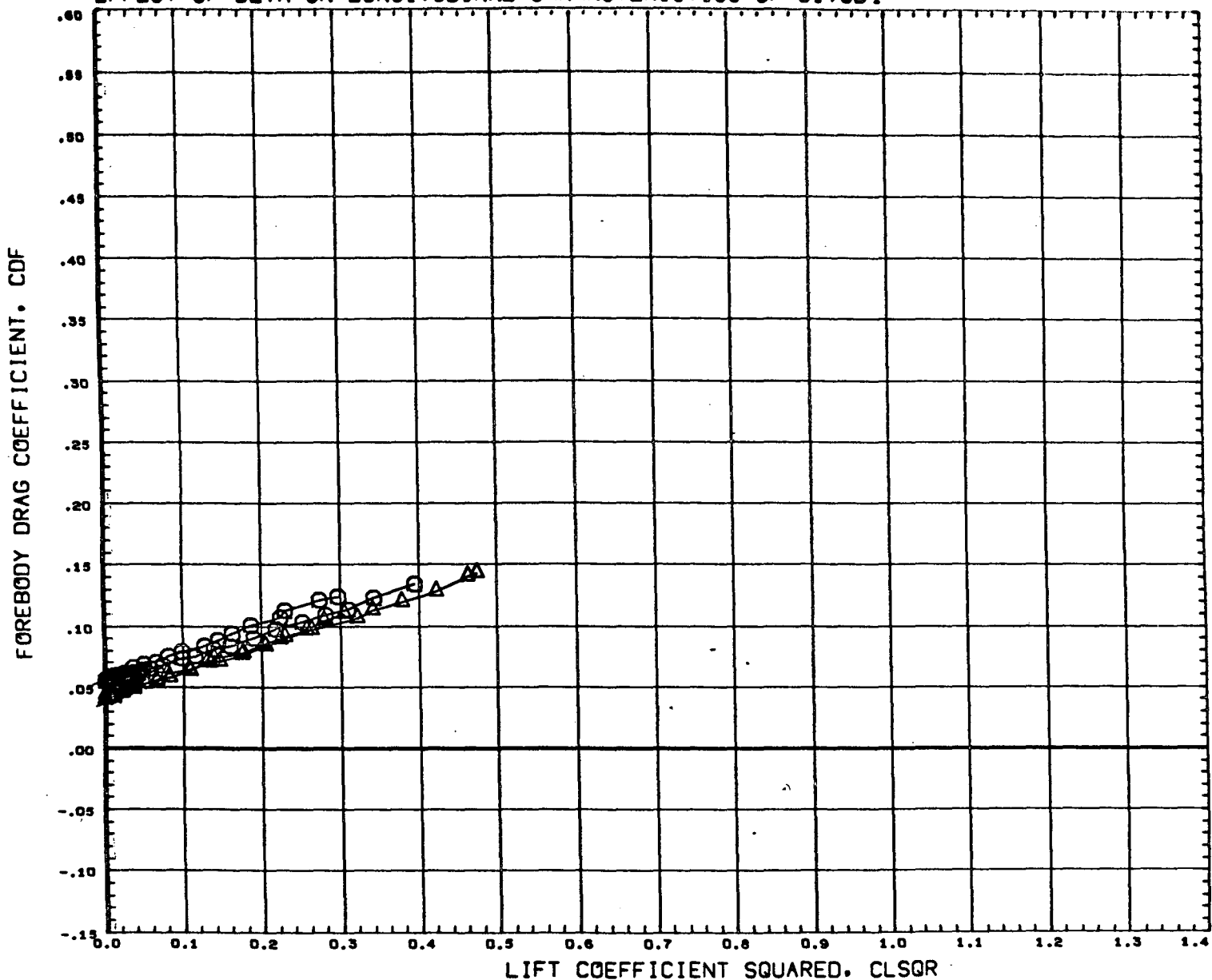
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BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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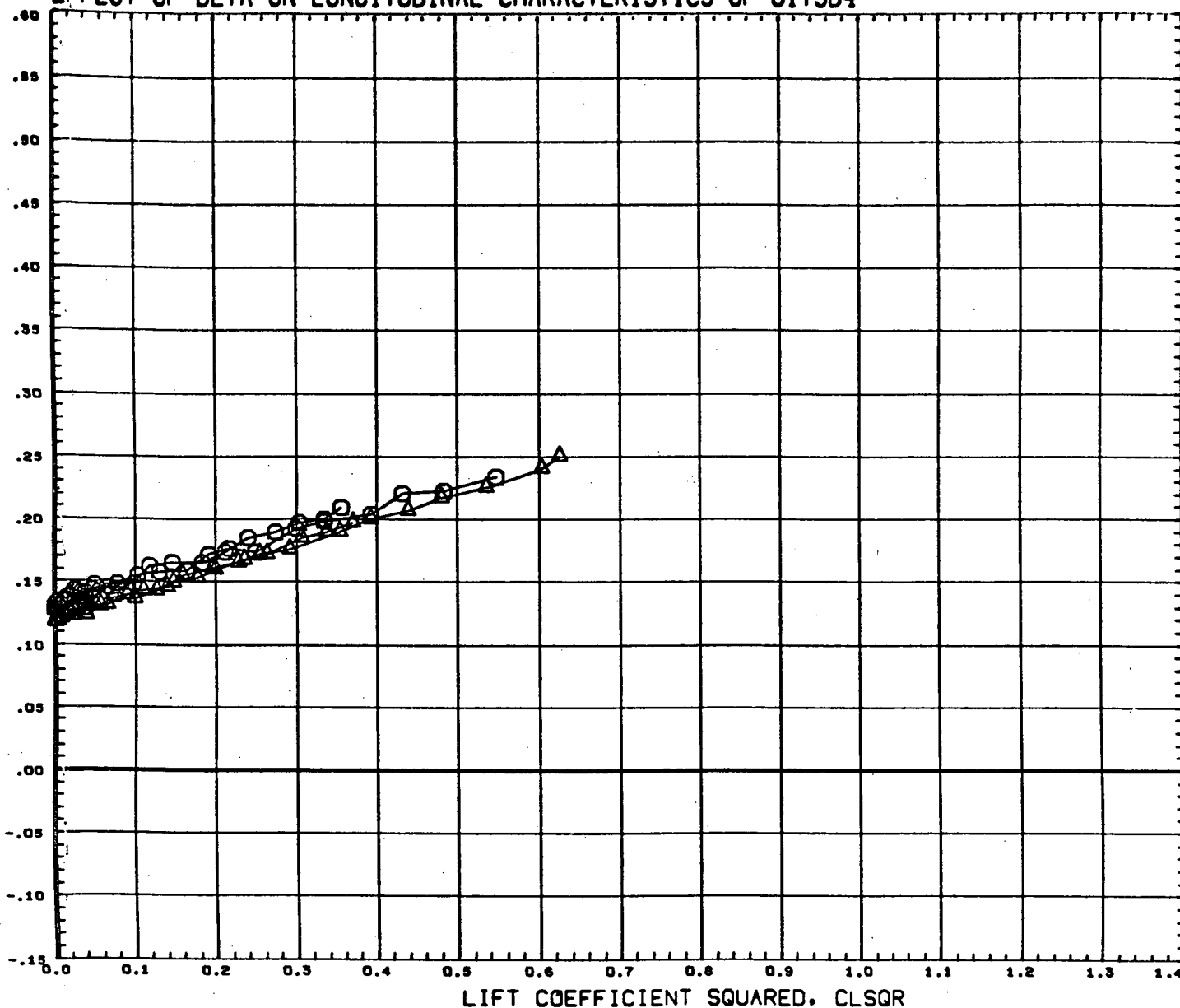
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				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (CD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

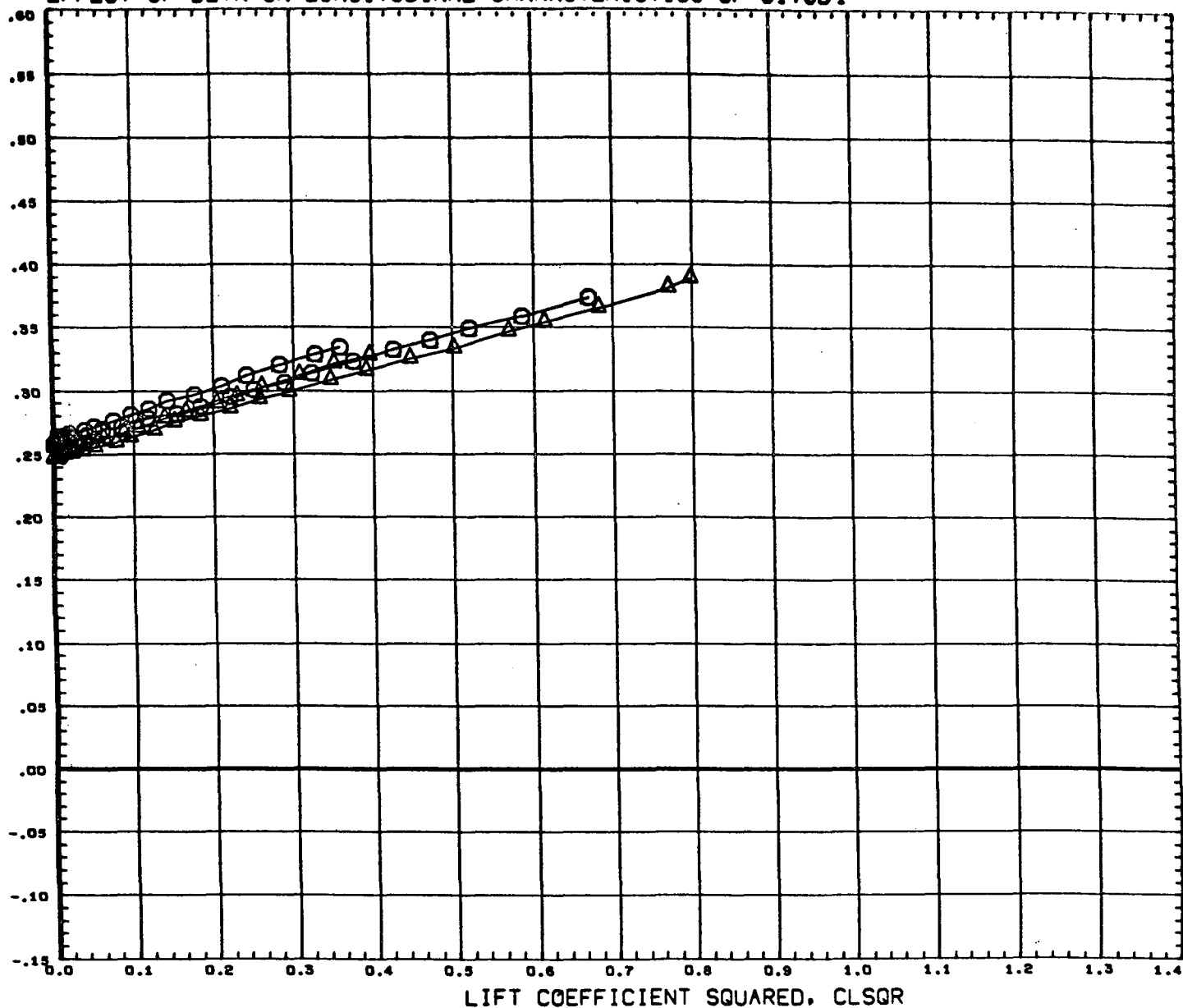
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6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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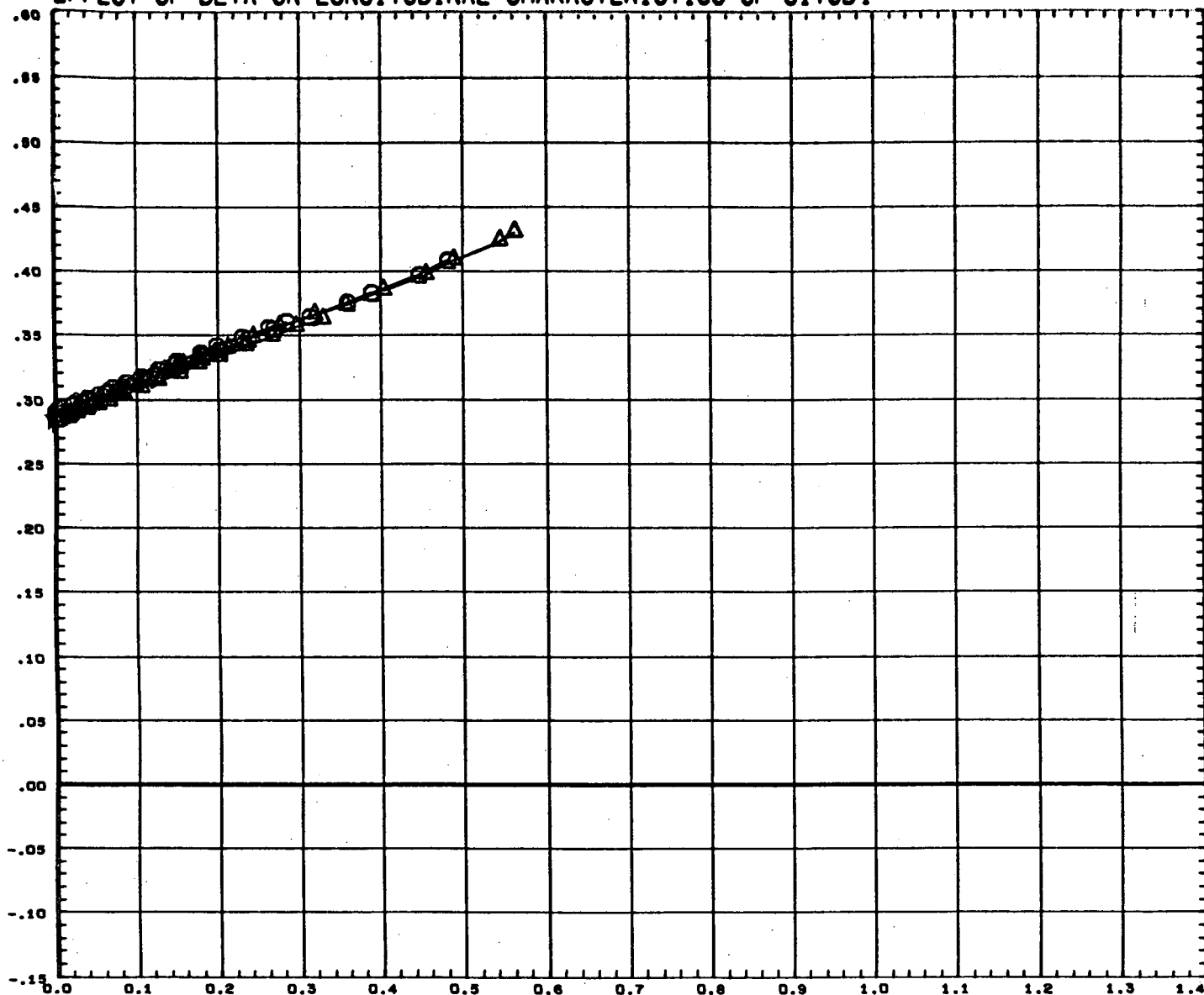
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				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

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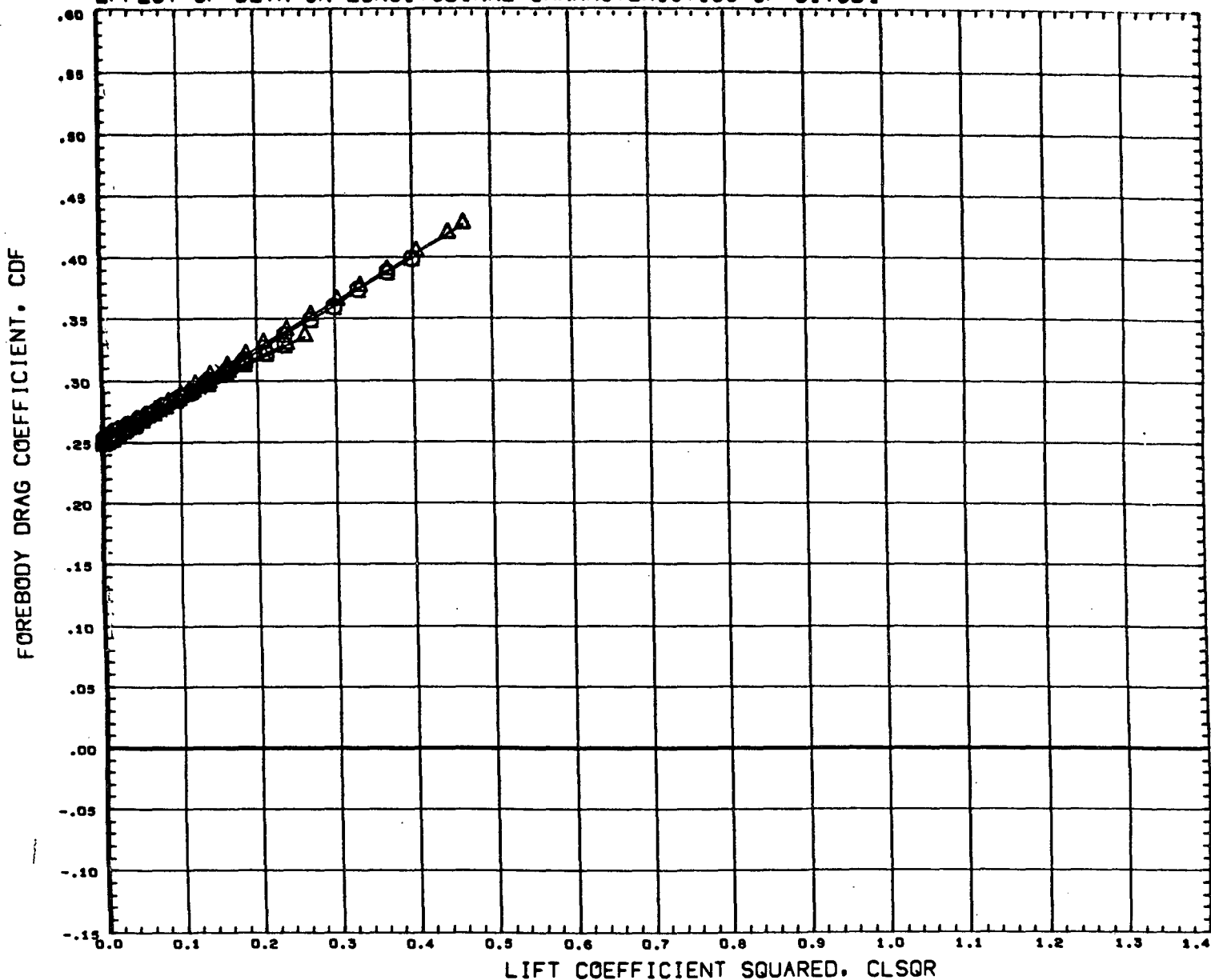
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 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (CD7522) MDAC S-222 COMPOSITE(T-CG) 01T3B4

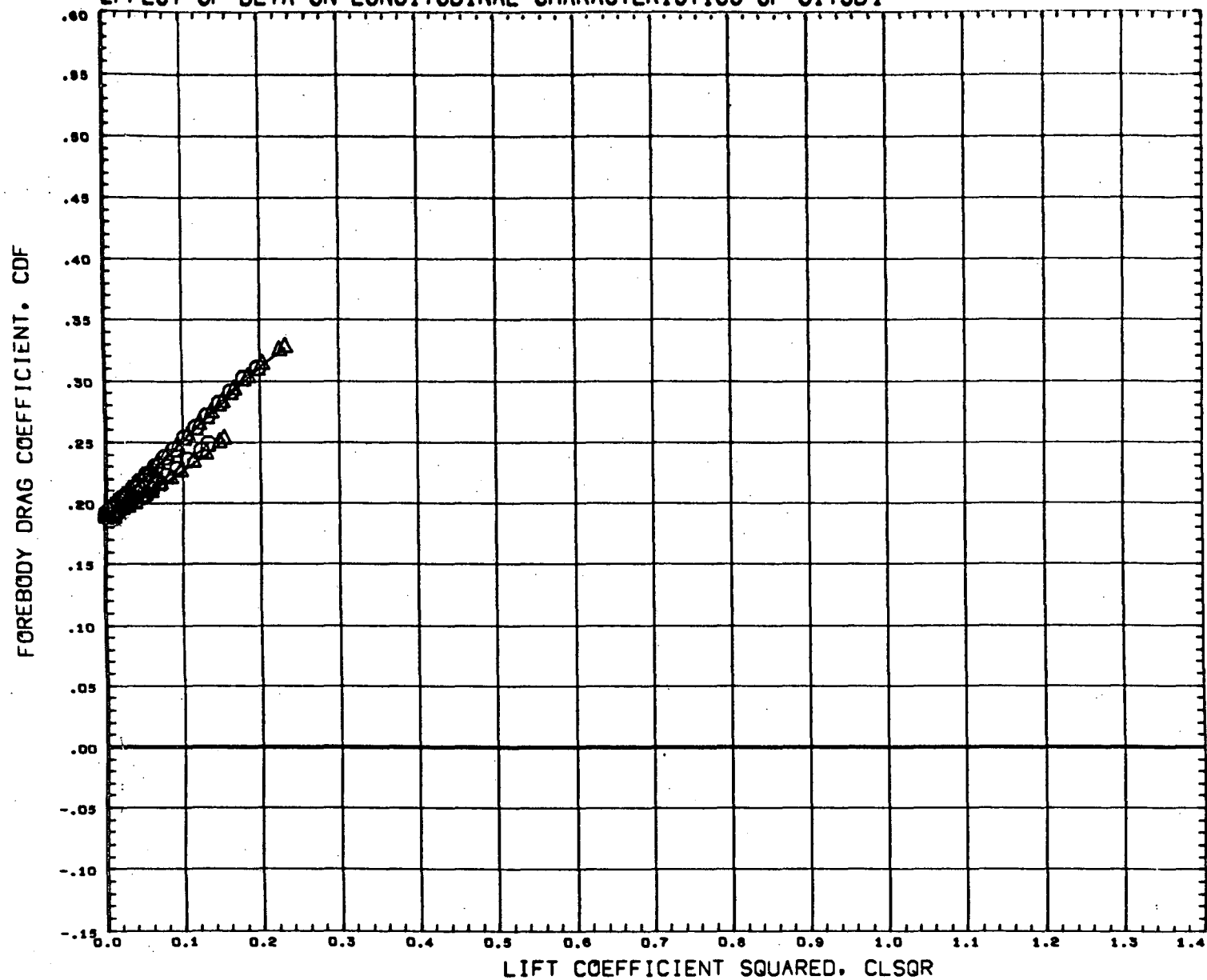
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 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



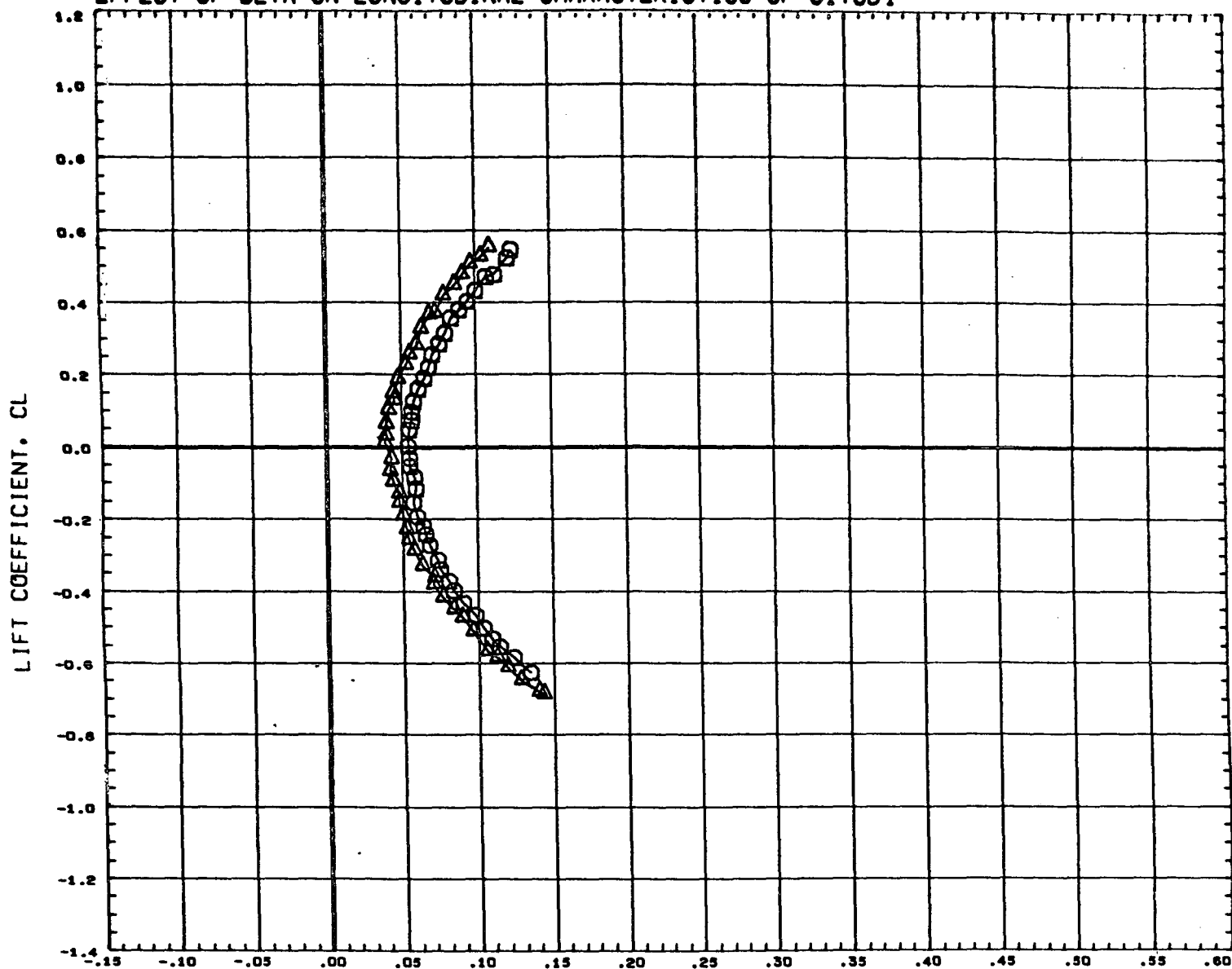
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 (CD7522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ. FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	862.0004	IN.
				XMRP	537.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



FOREBODY DRAG COEFFICIENT, CDF

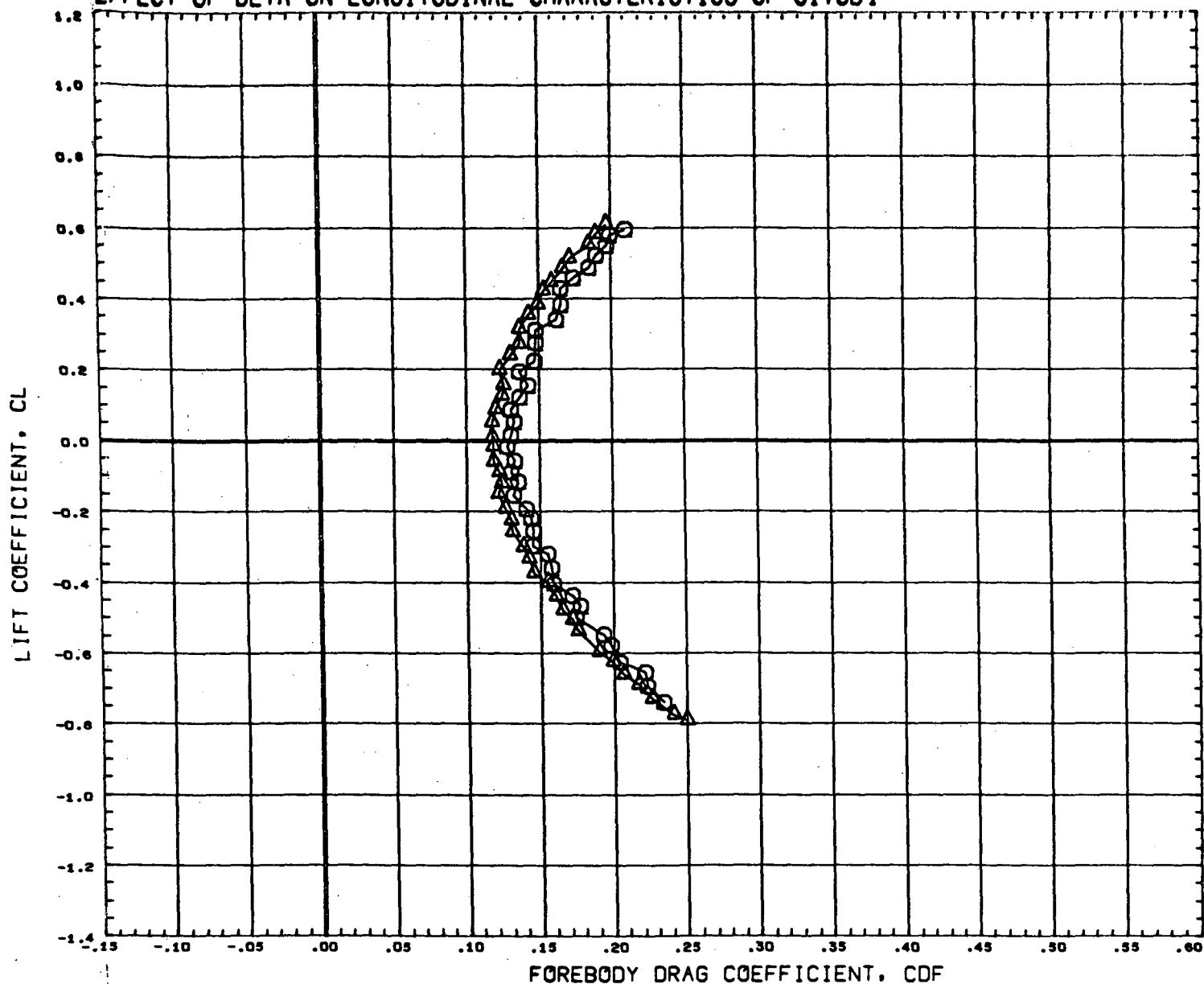
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 (CD7522) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



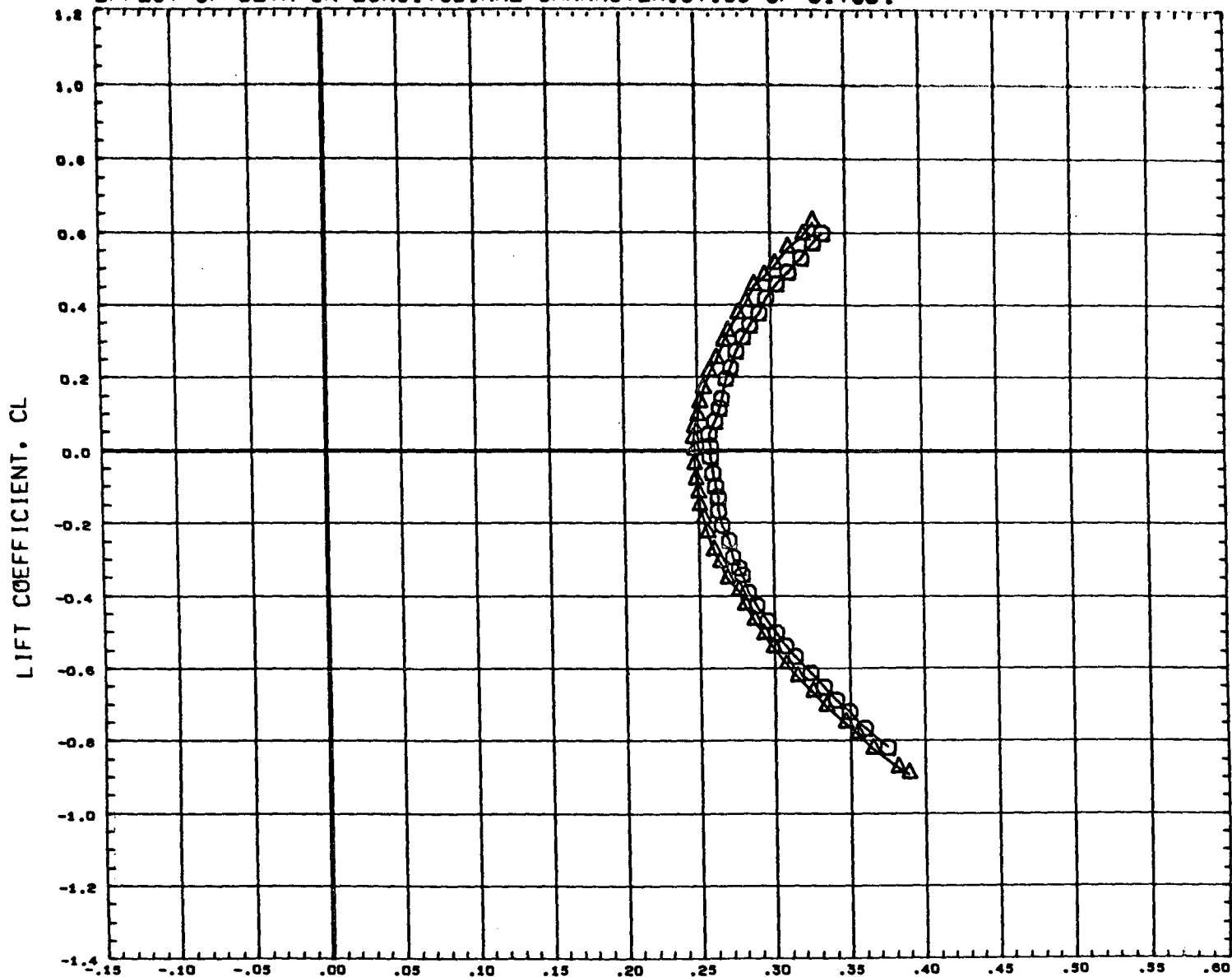
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(CD7522)	MDAC S-222 COMPOSITE(T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

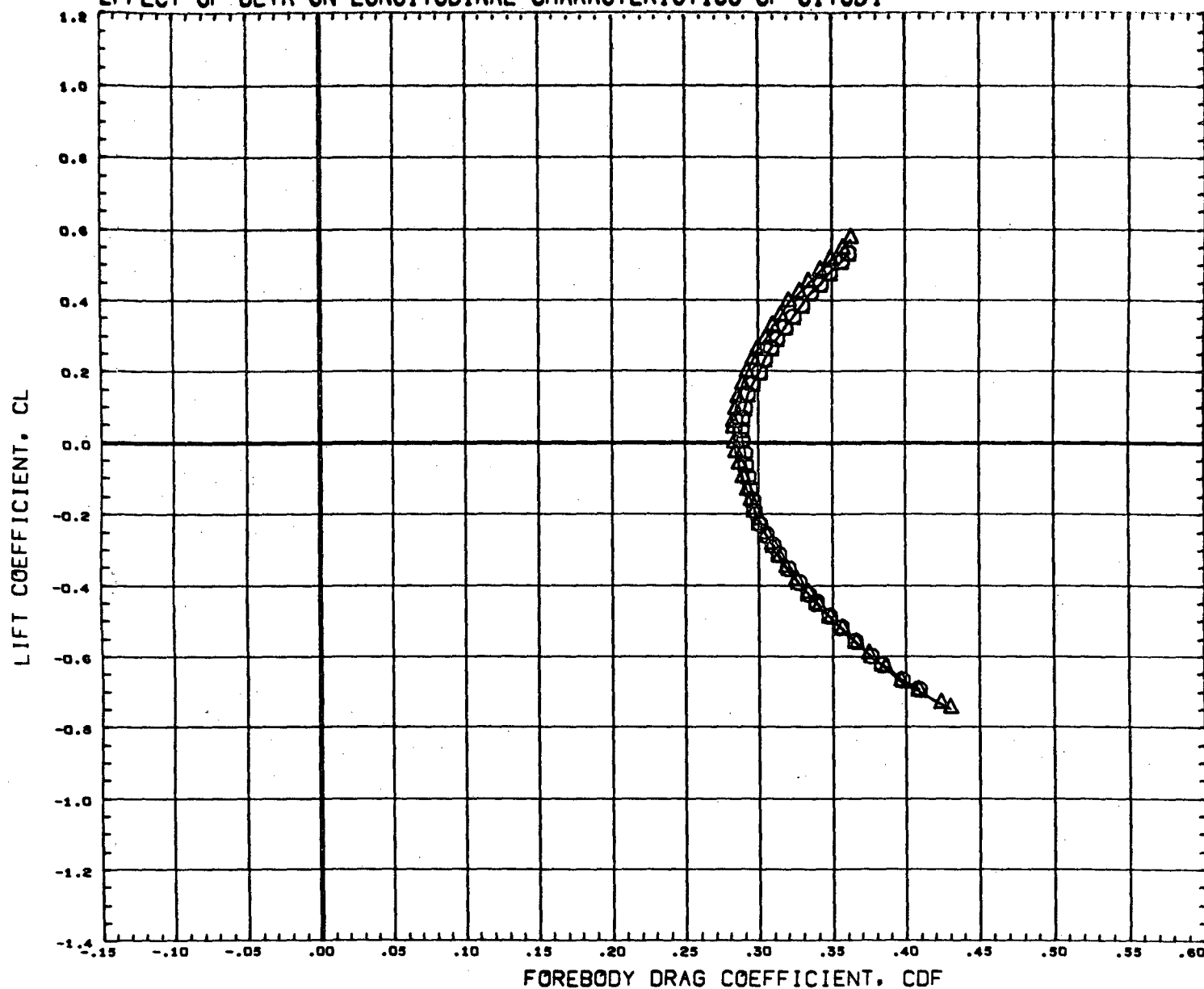
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REFERENCE INFORMATION
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 LREF 609.5004 IN.
 BREF 862.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



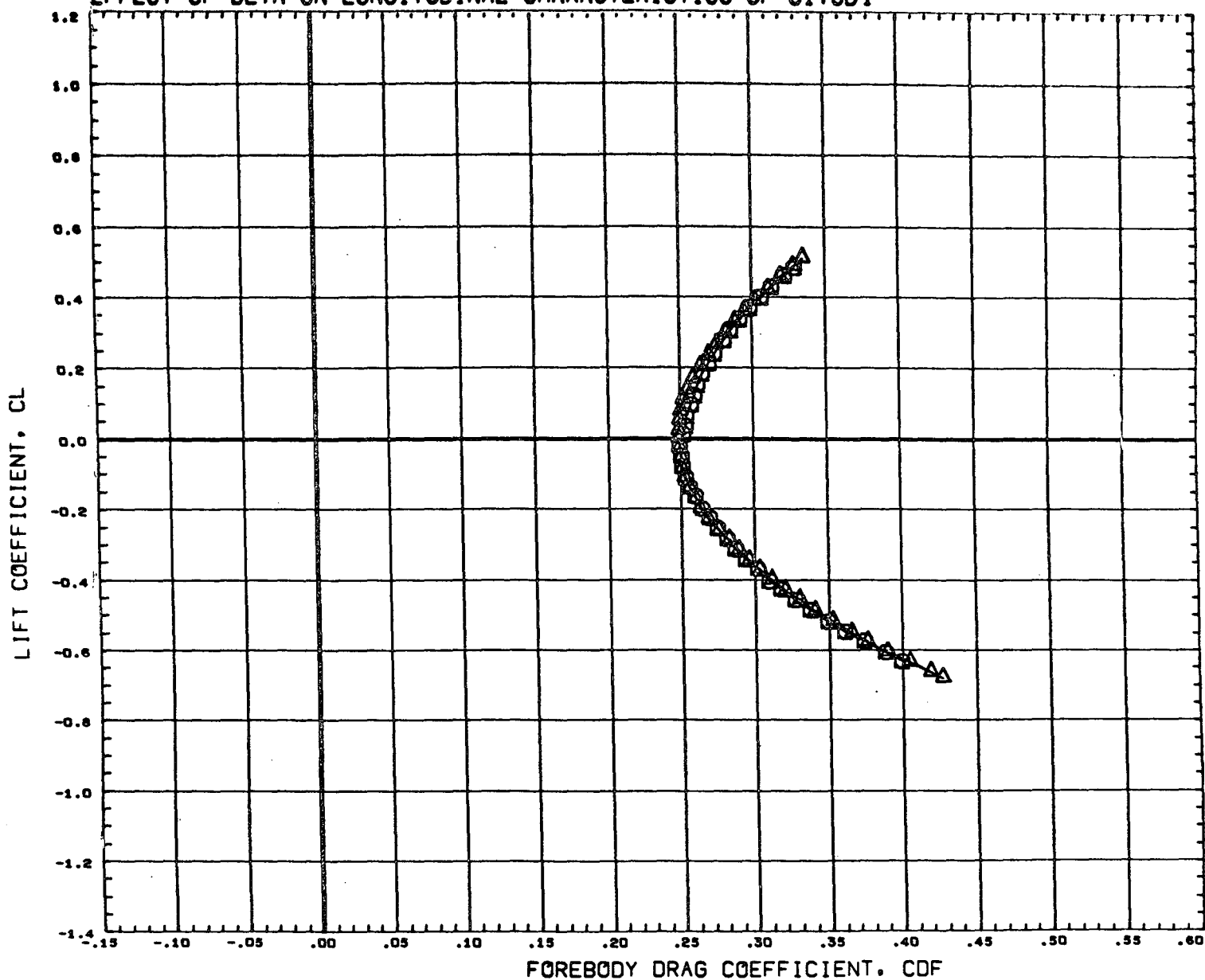
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BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

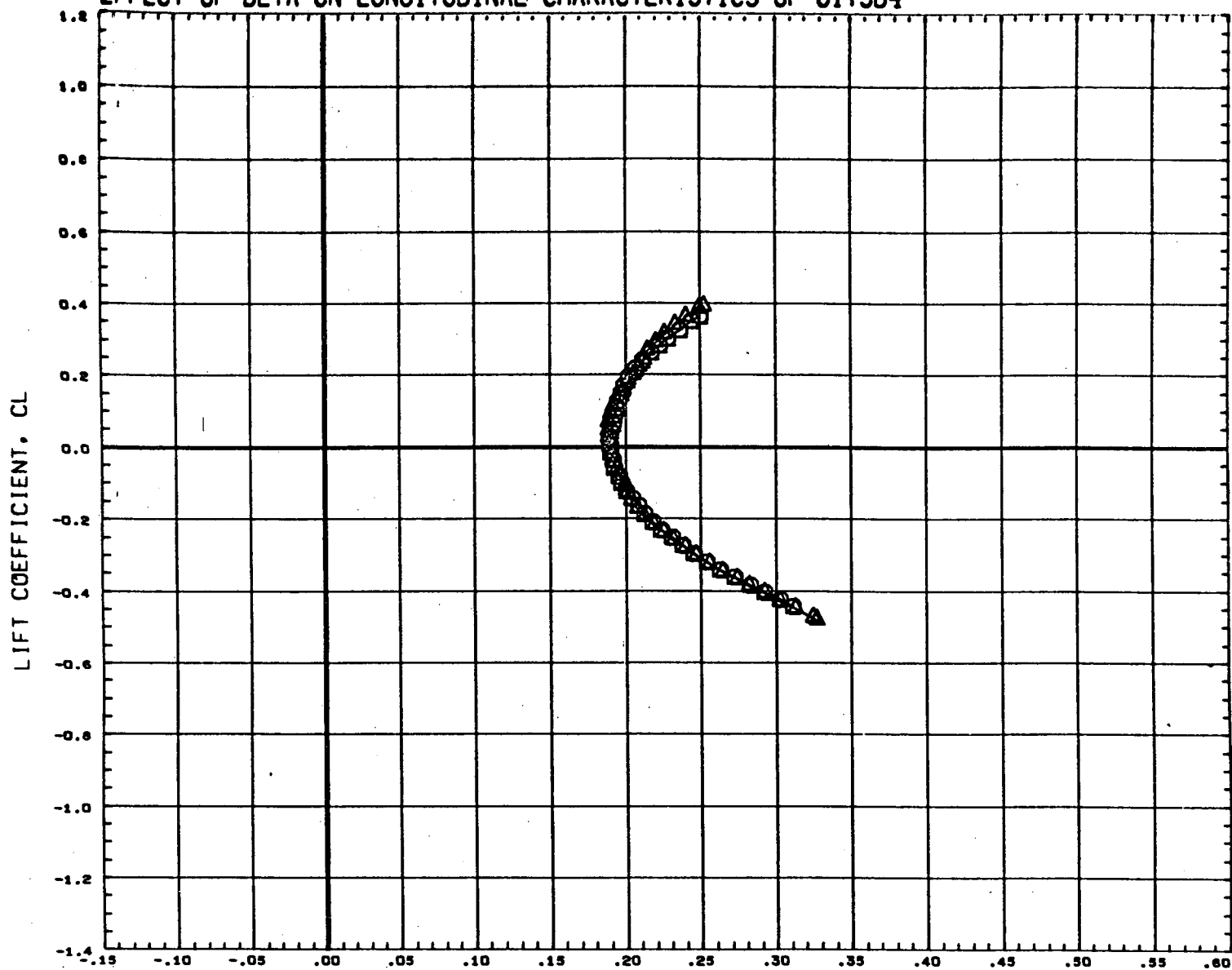
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6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
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LREF	609.5004	IN.
BREF	862.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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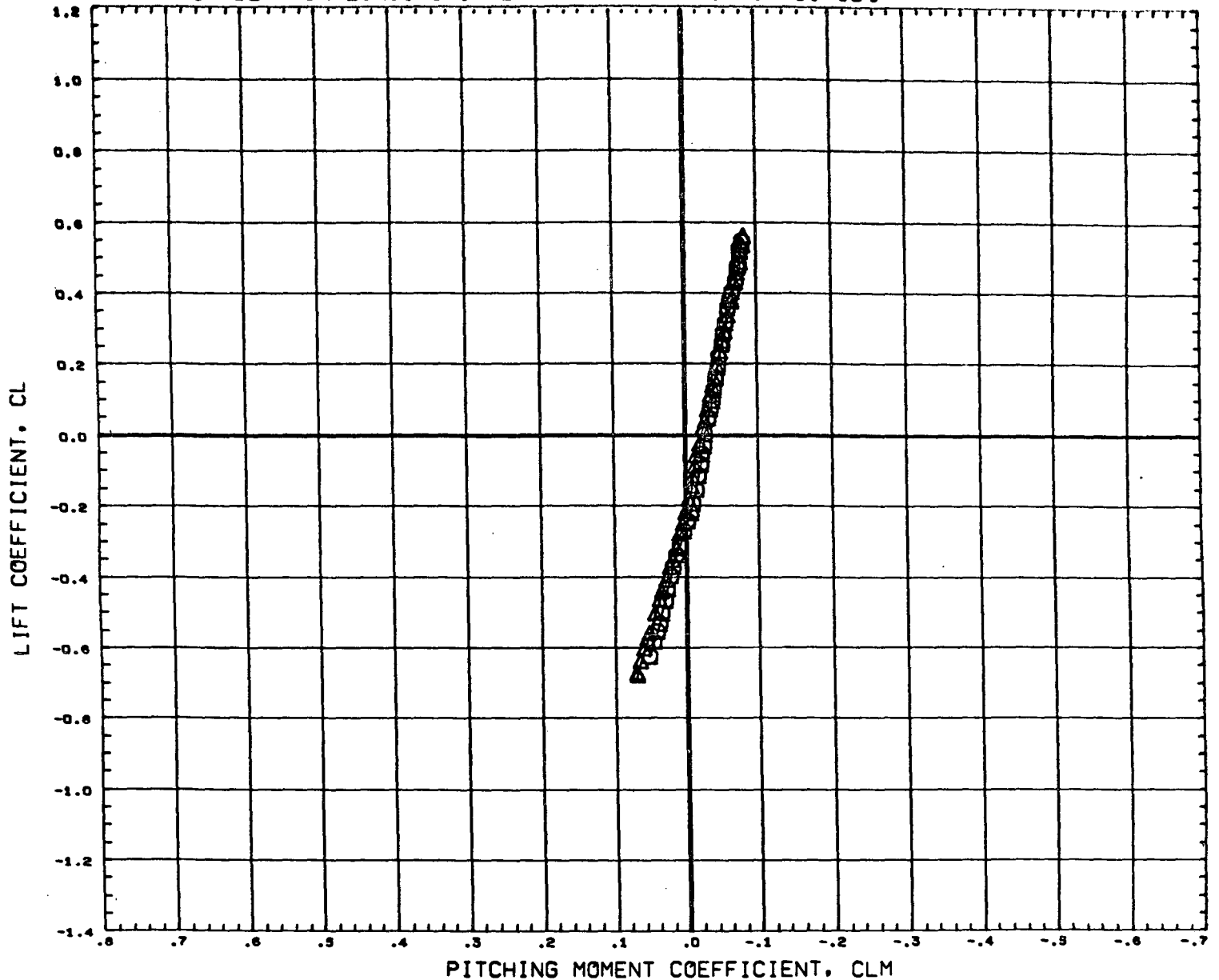
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 BREF 662.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 4.47

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

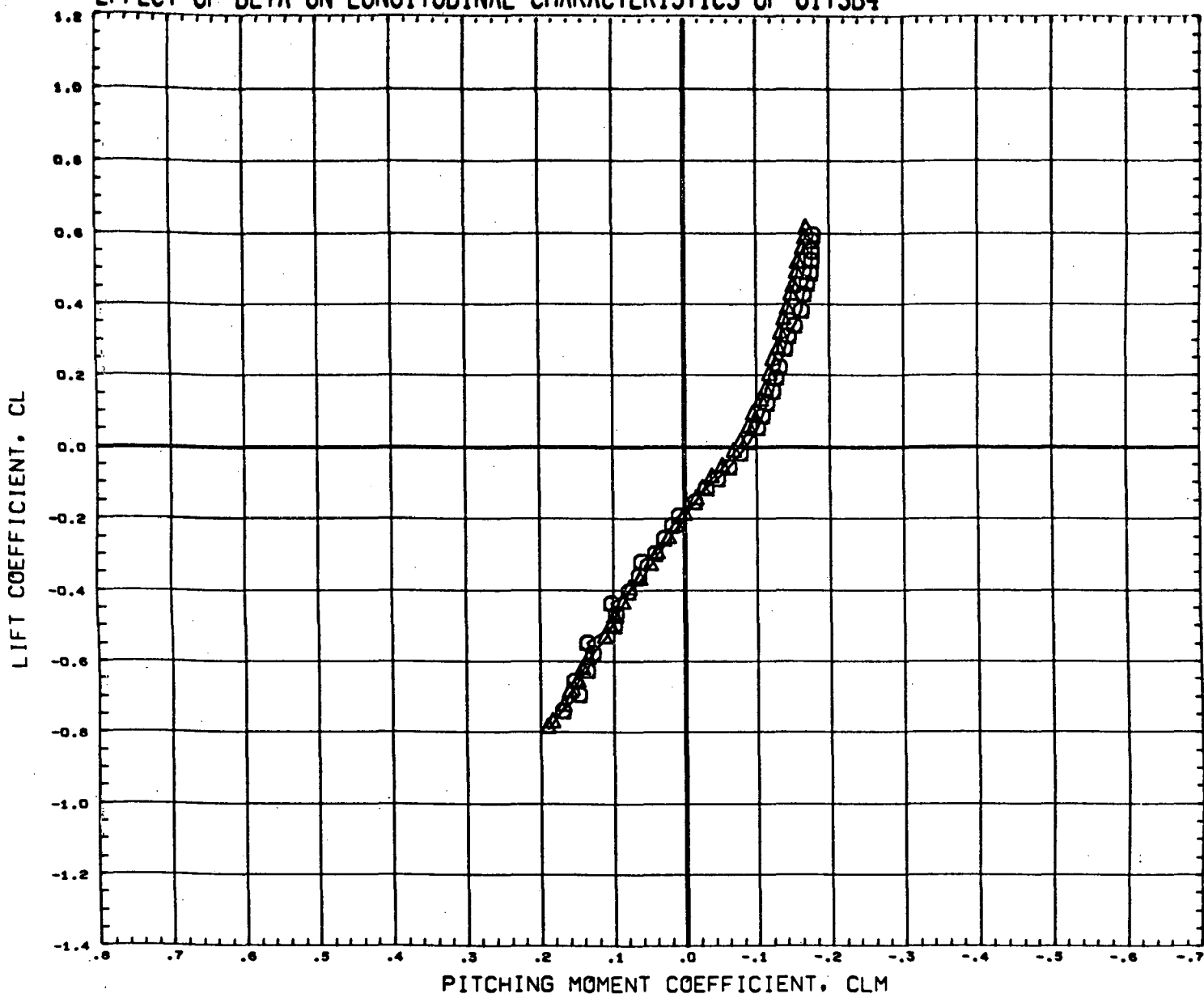


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4

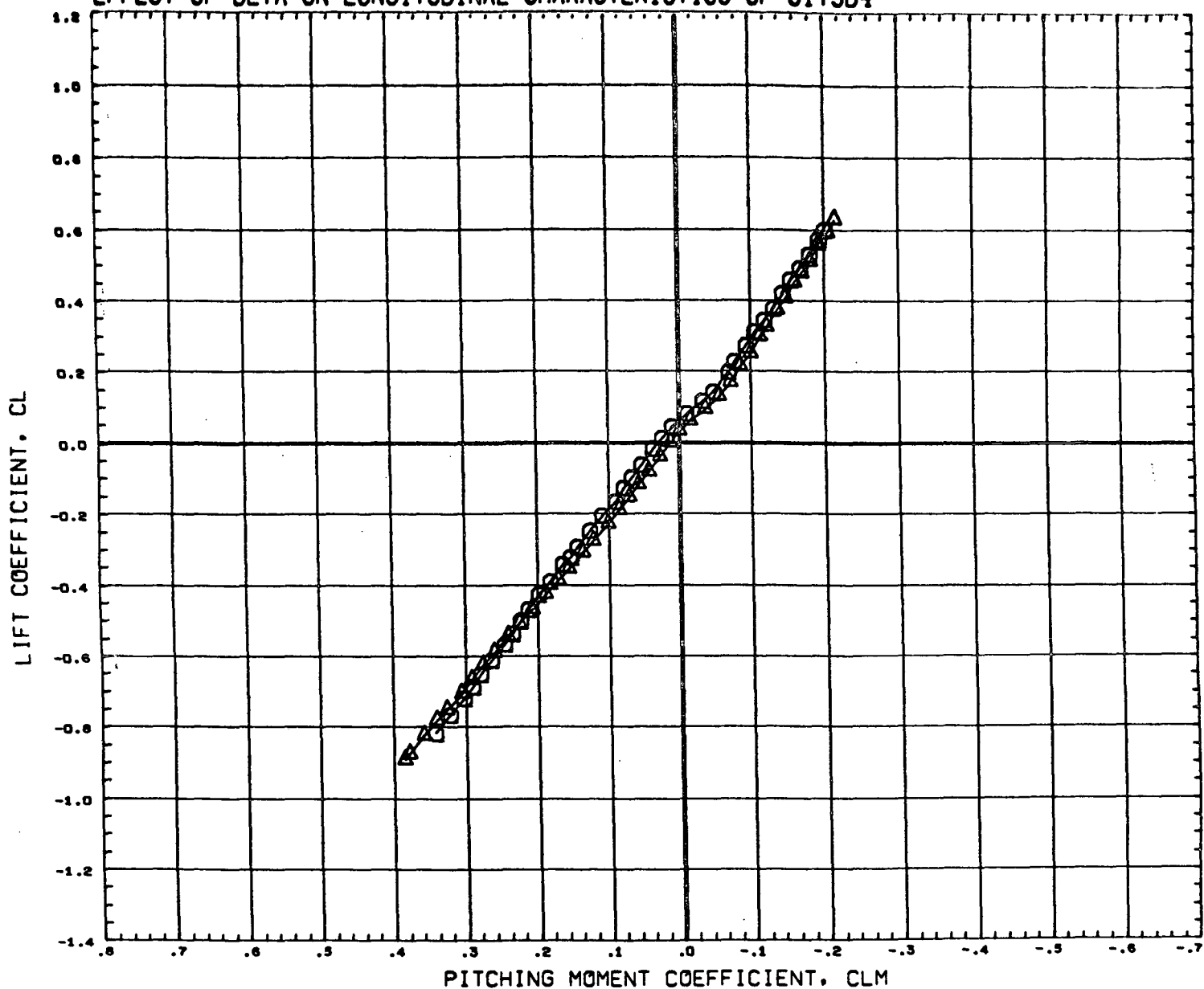


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA ELEVTR AILRON RUDDER
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 6.000 0.000 0.000 0.000

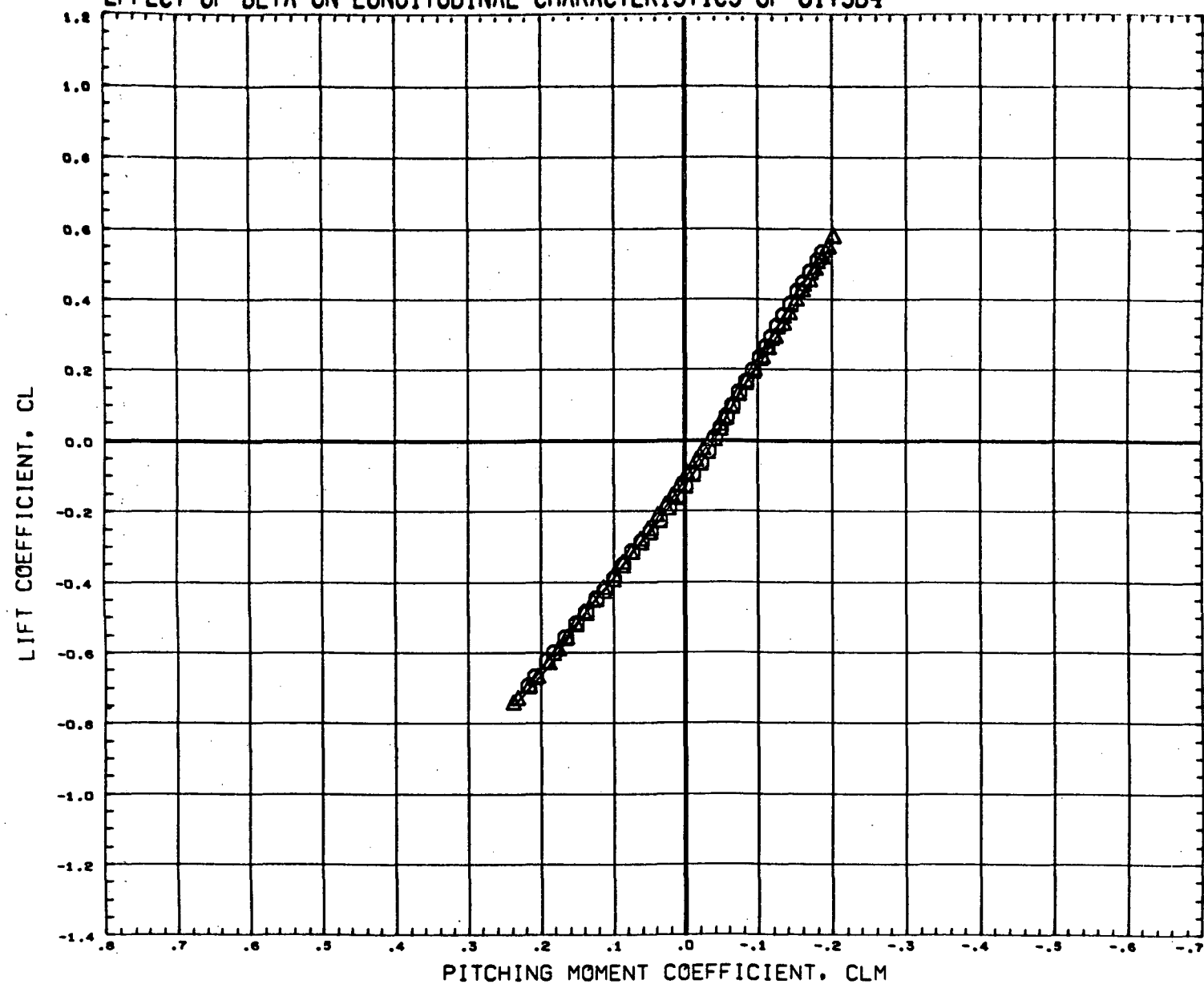
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 982.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0080

MACH

1.08

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



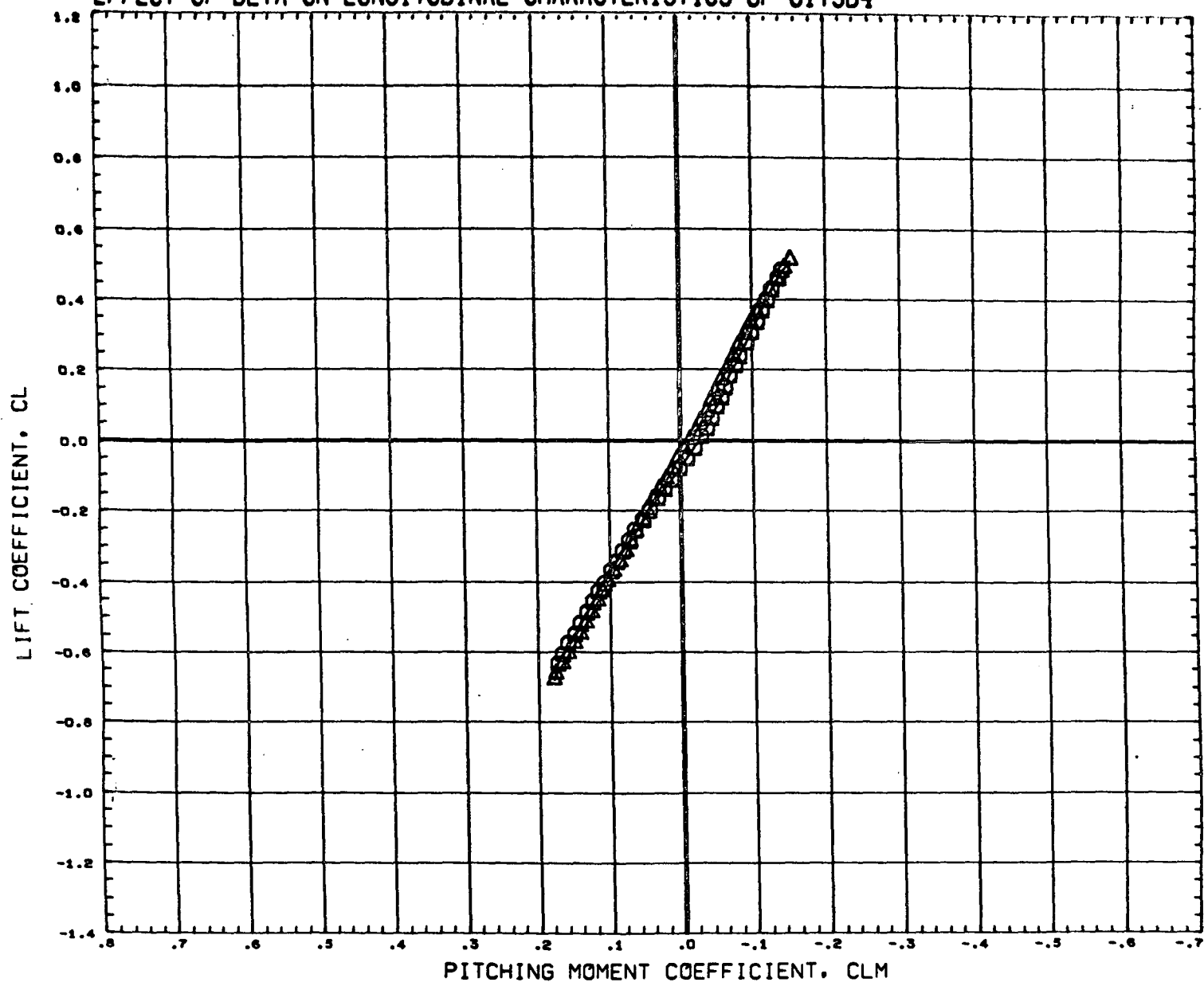
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 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



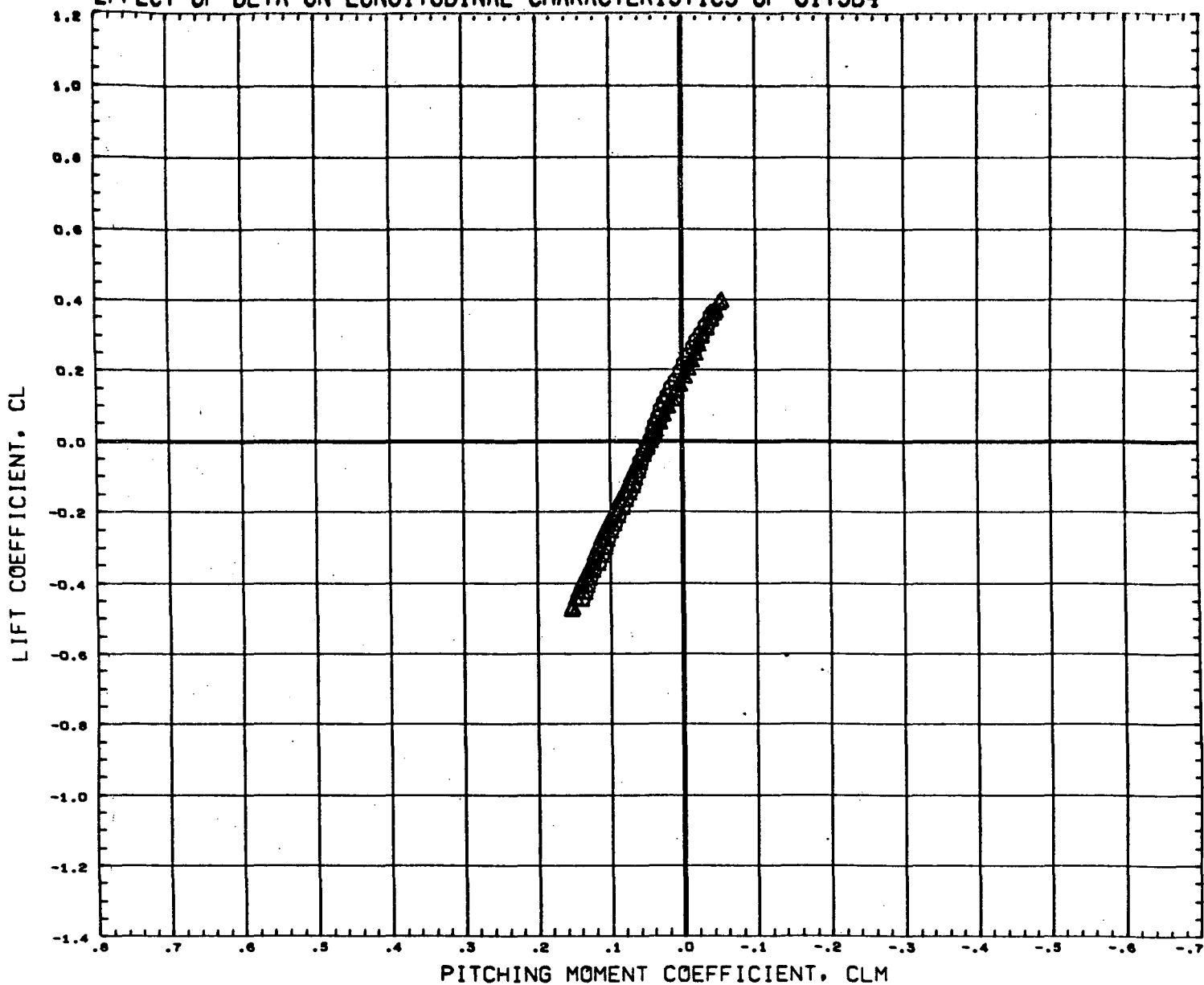
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(CD7522)  MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

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EFFECT OF BETA ON LONGITUDINAL CHARACTERISTICS OF 01T3B4



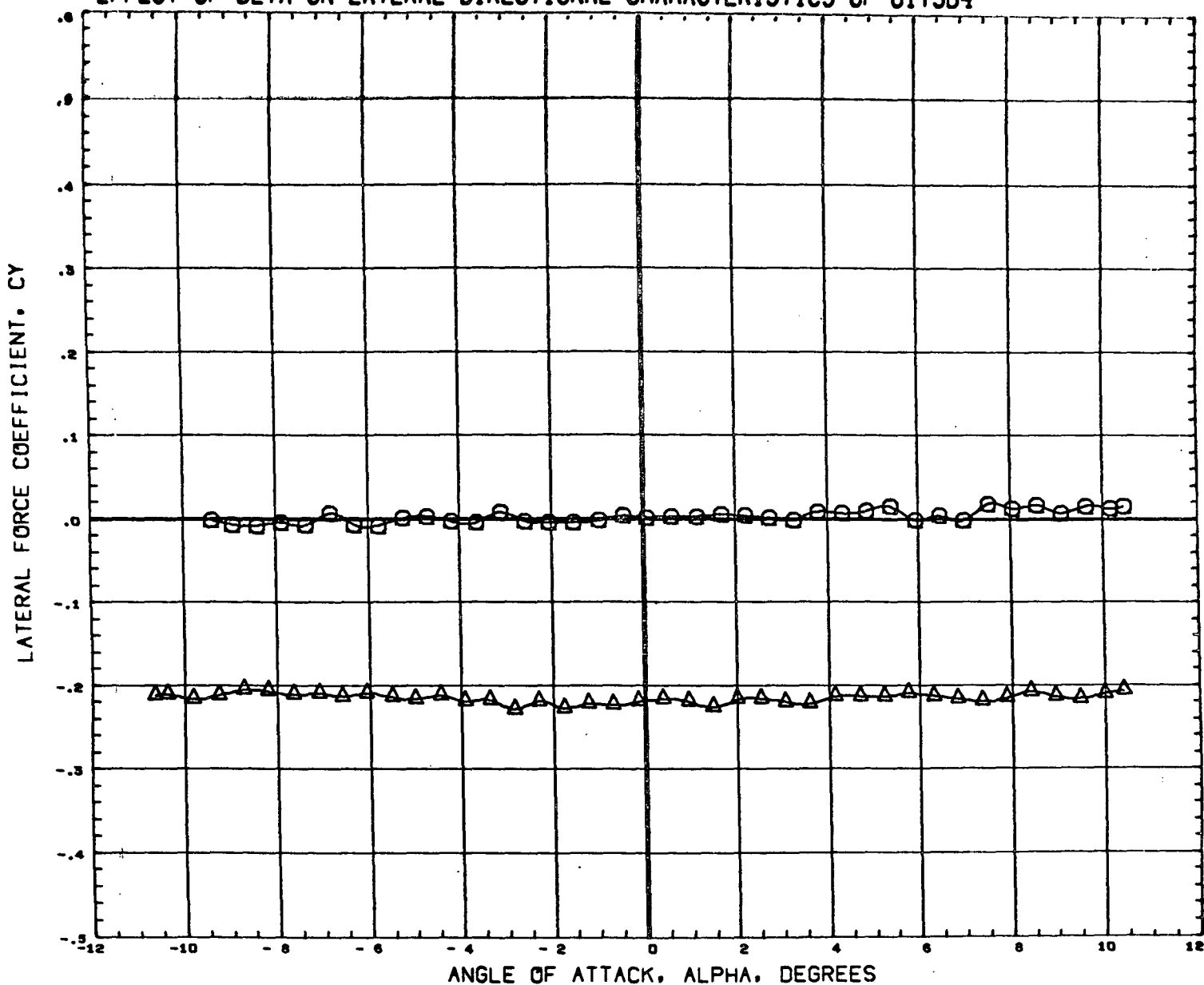
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 (CD7322) A MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



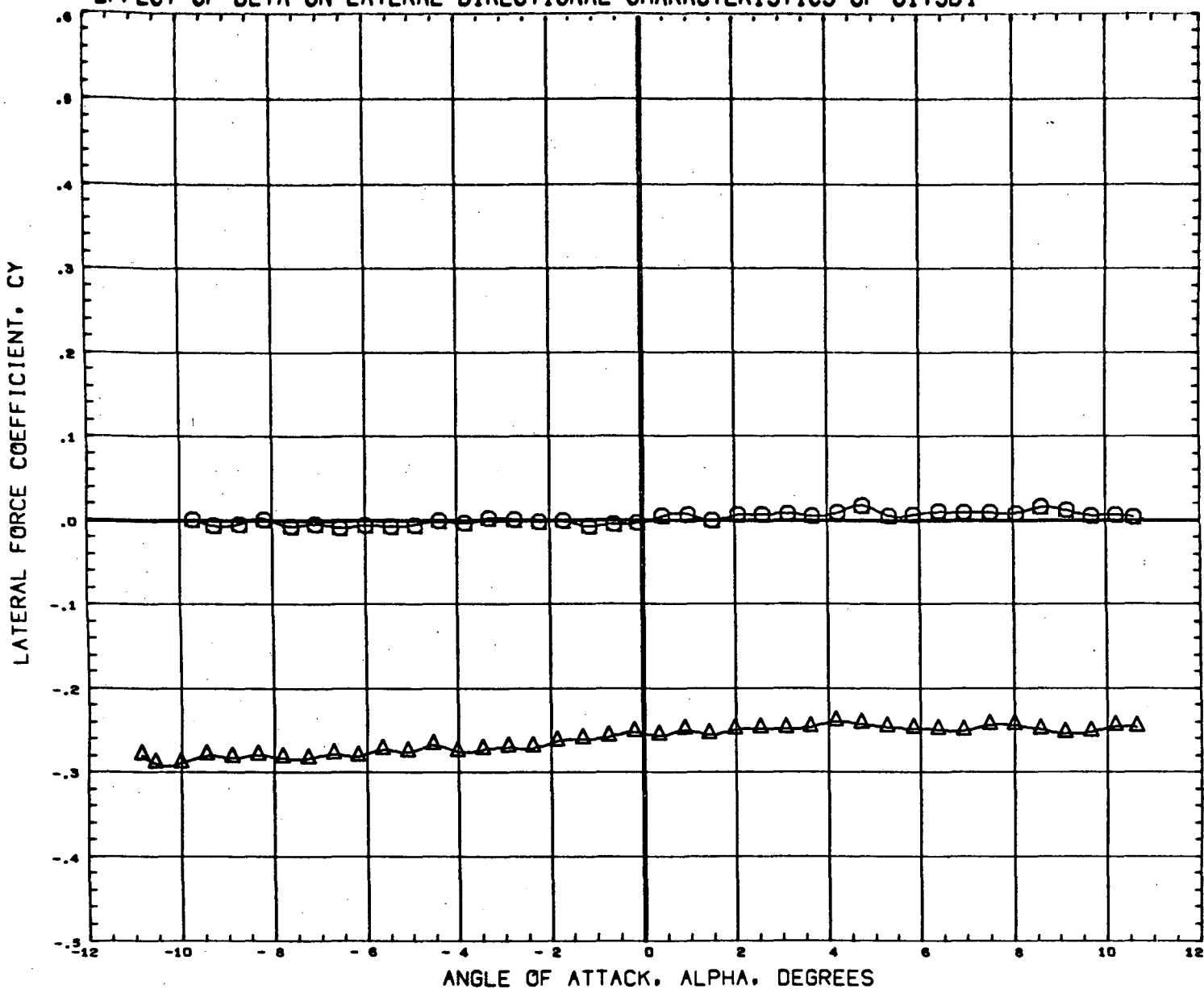
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(RD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



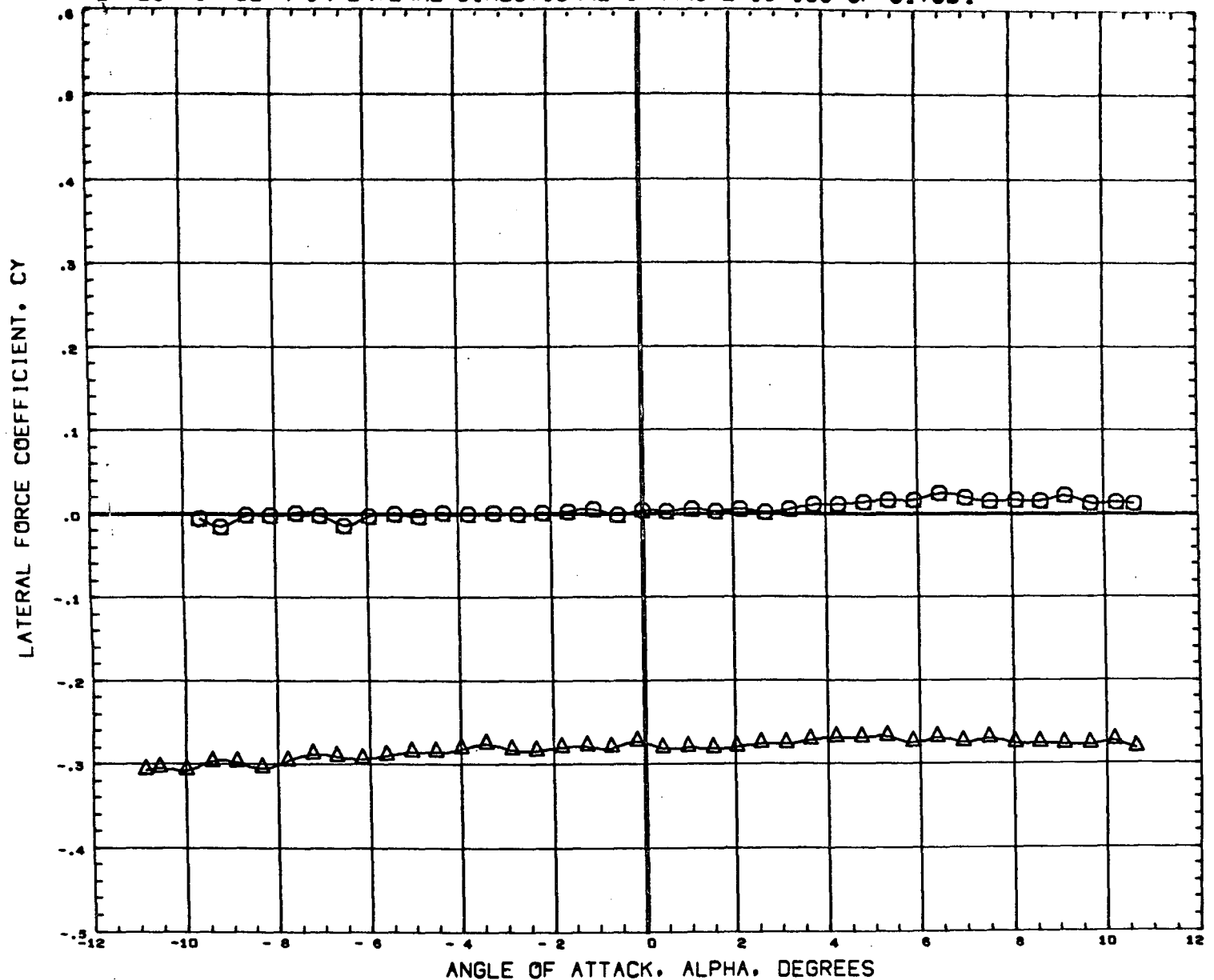
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(RD7520) \bigcirc MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .89

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



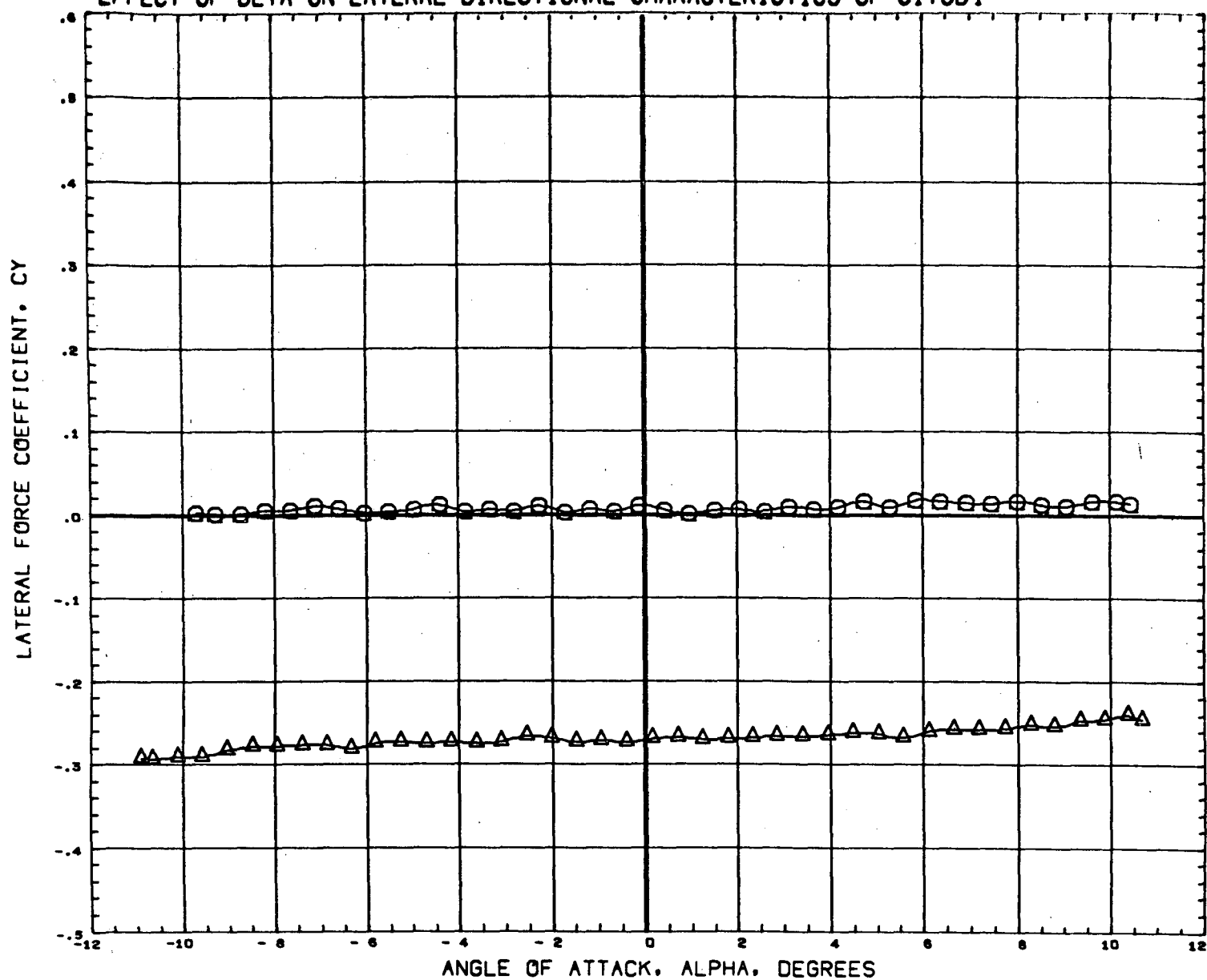
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(RD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



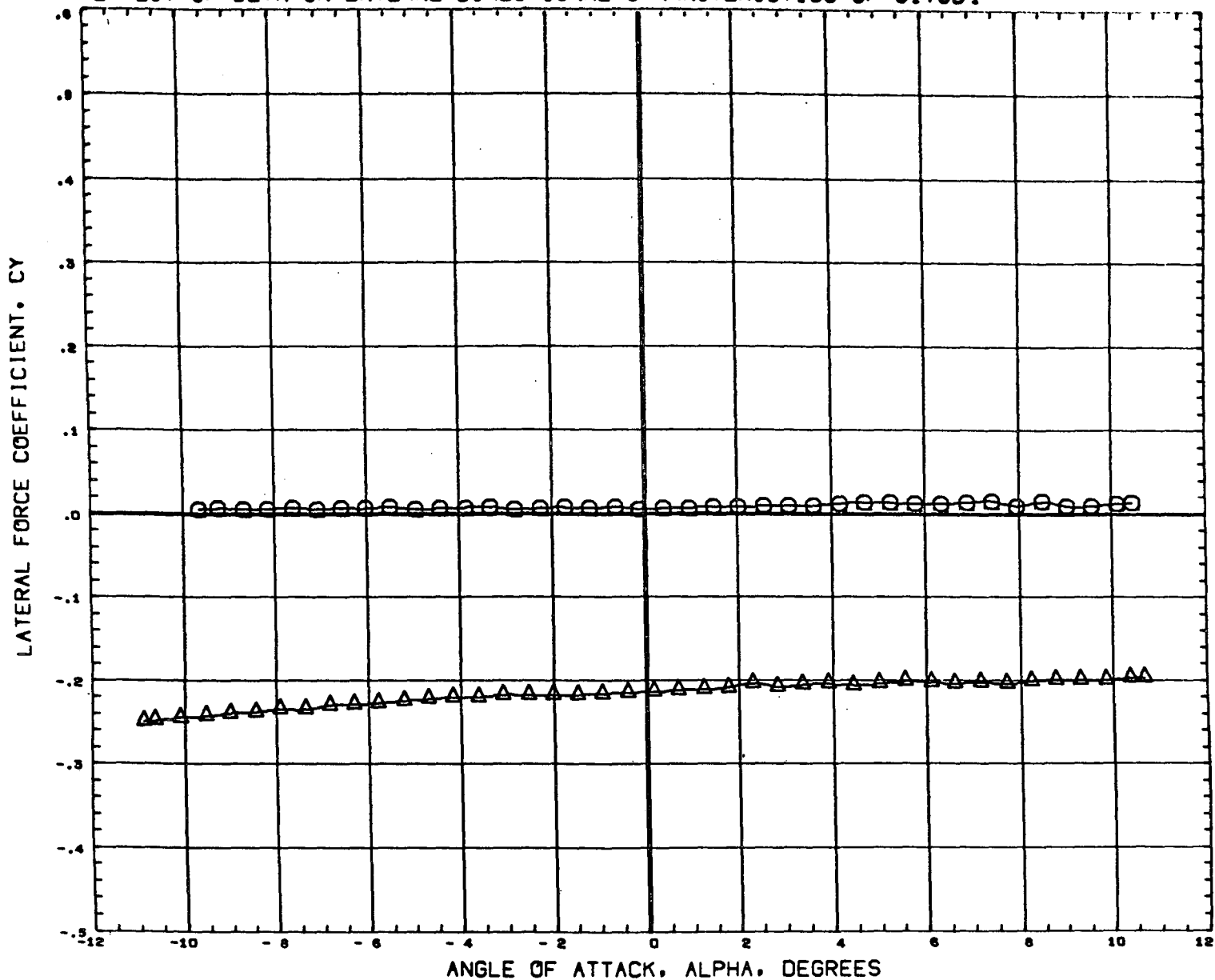
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(RD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XM RP	557.0004 IN.
				YM RP	0.0000 IN.
				ZM RP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4

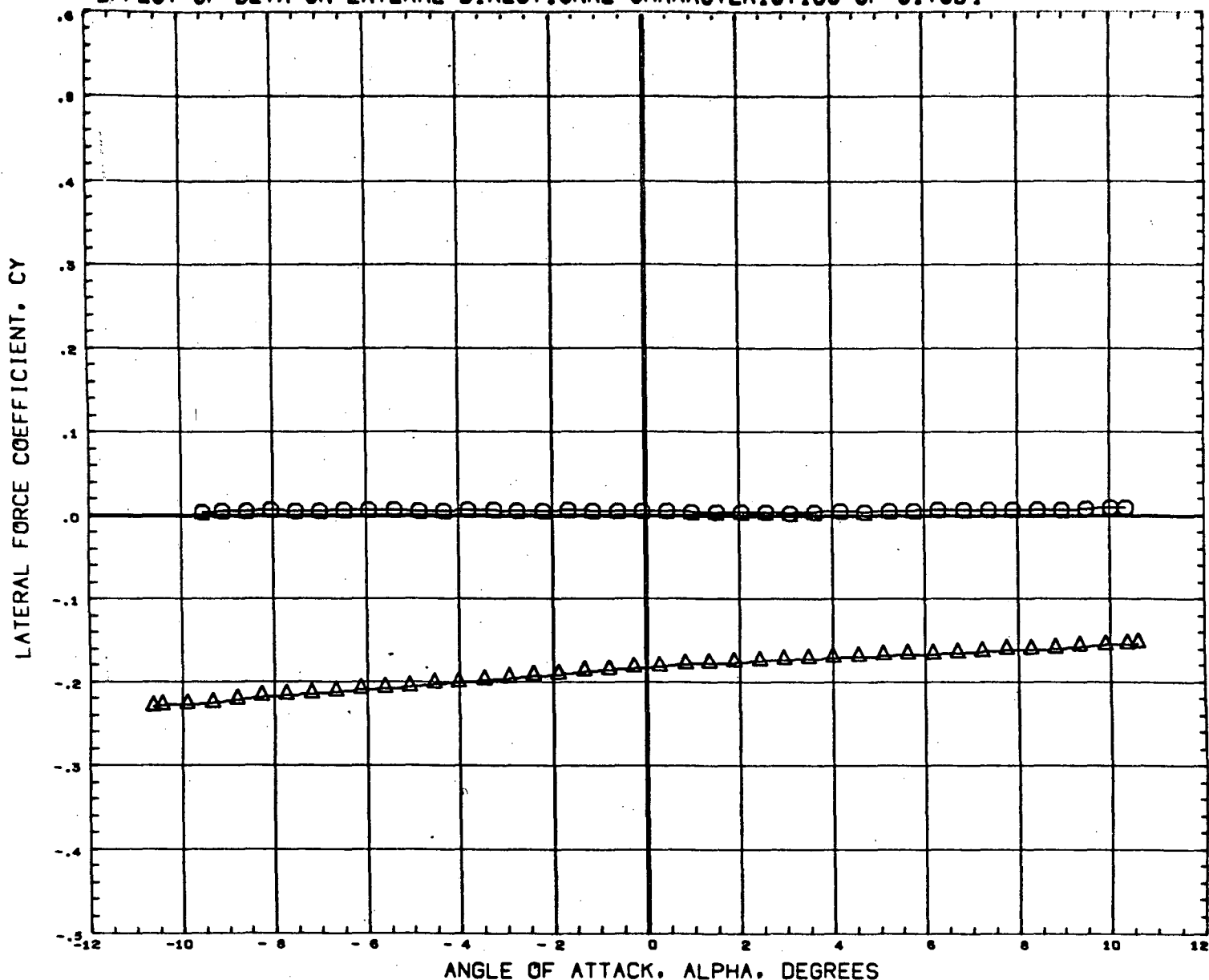


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7520)	MDAC S-222 COMPOSITE(T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7522)	MDAC S-222 COMPOSITE(T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



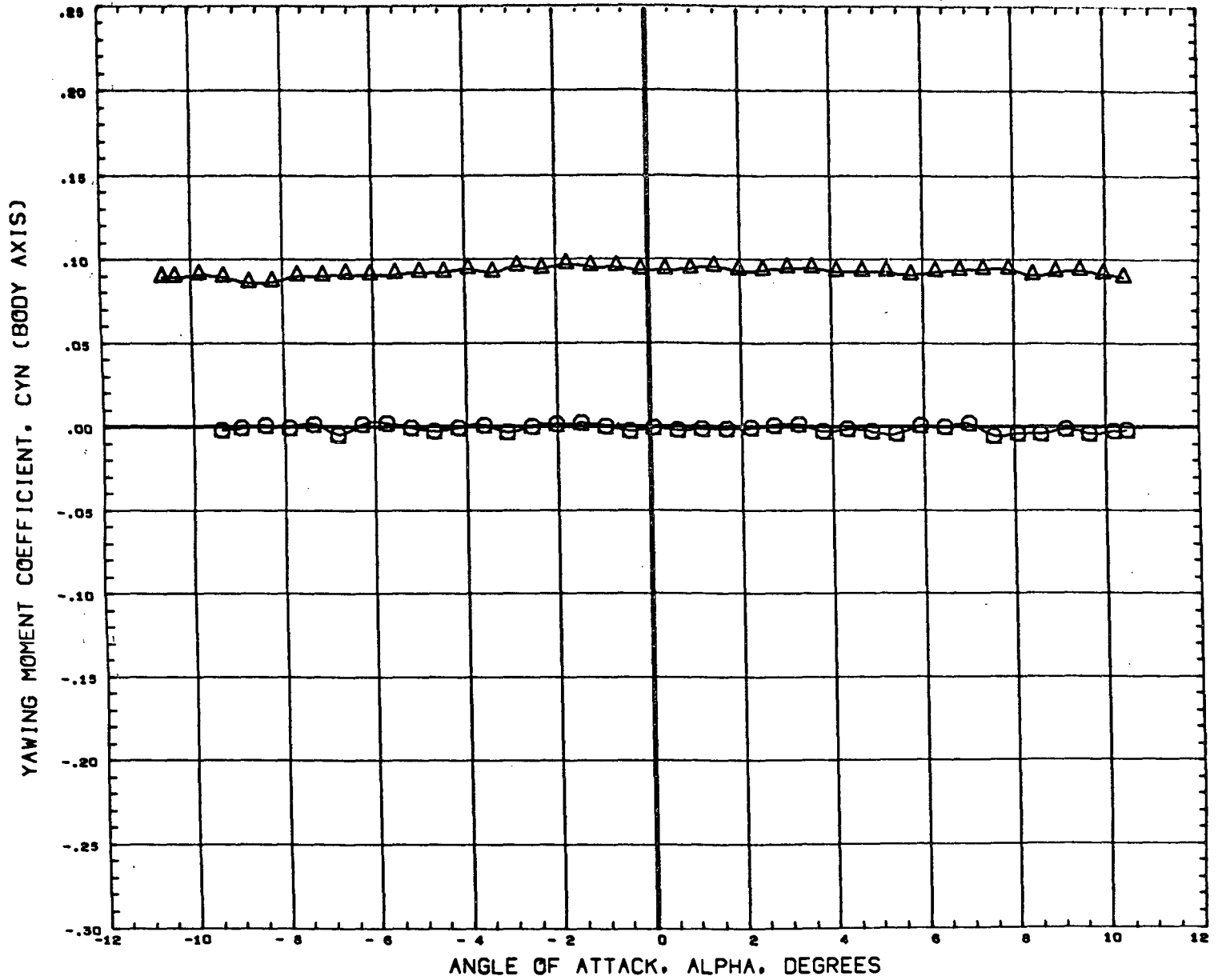
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(RD7522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



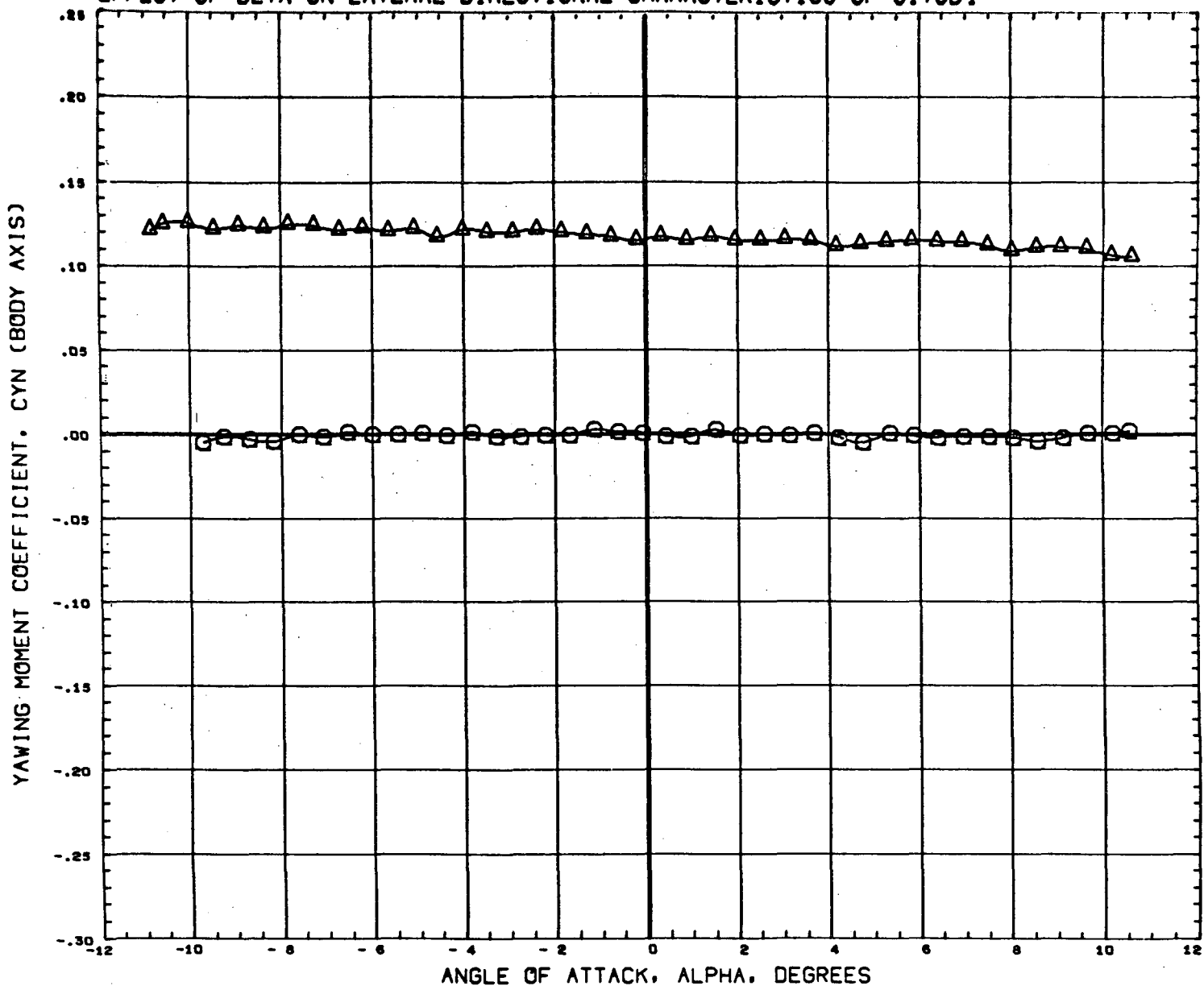
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(R07522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



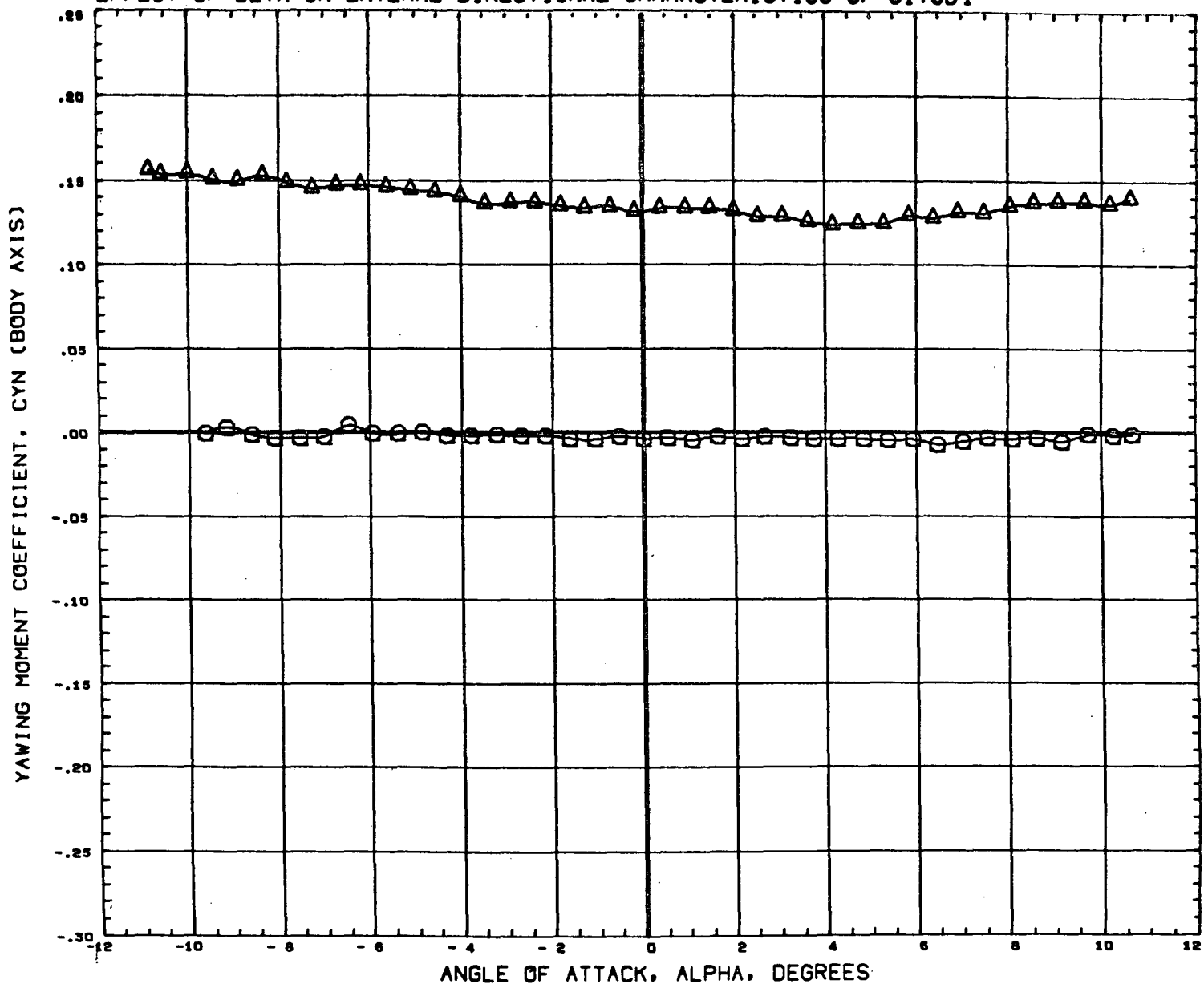
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(RD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	537.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .89

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T384



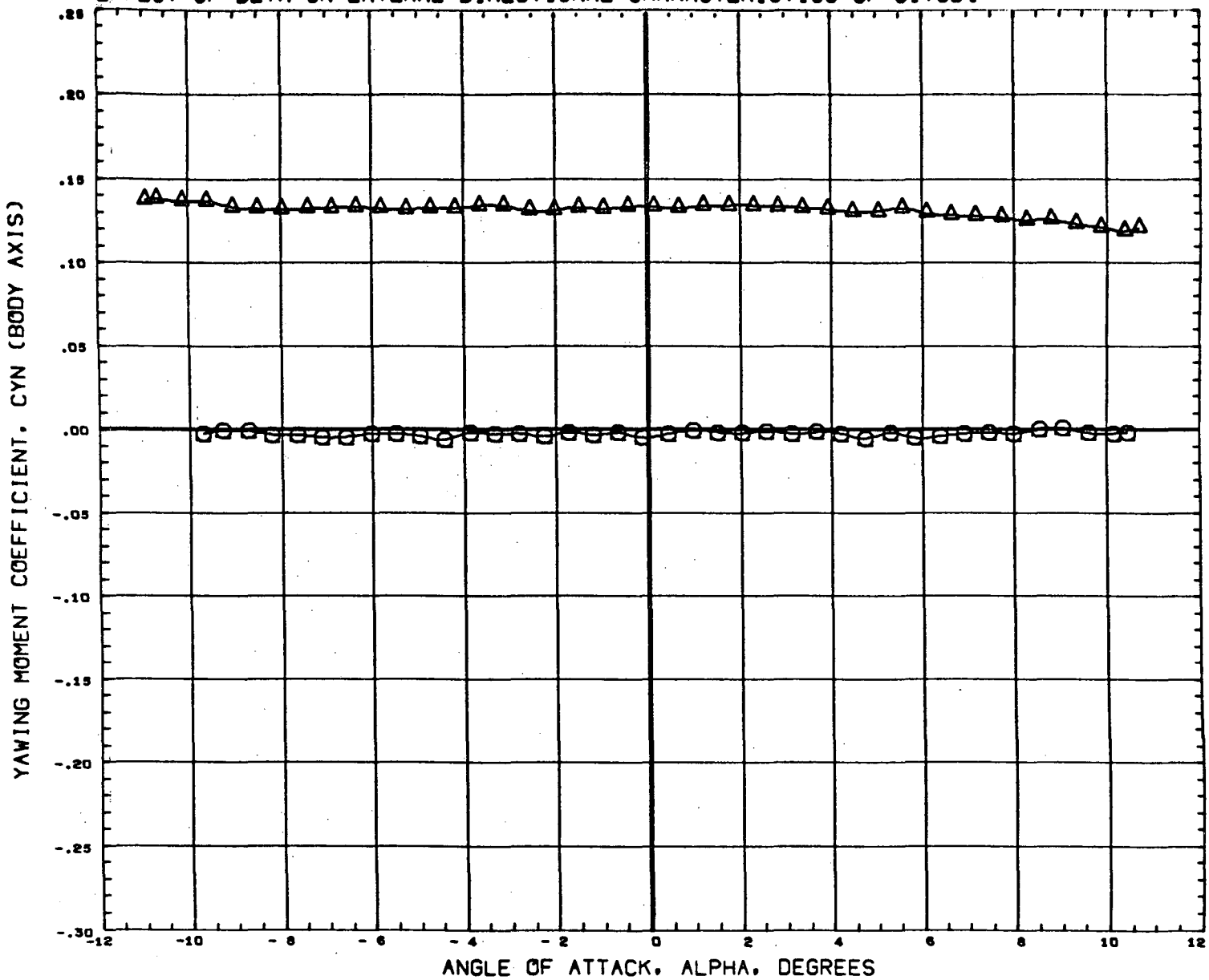
DATA SET SYMBOL CONFIGURATION DESCRIPTION
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(RD7522) \triangle MDAC S-222 COMPOSITE (T-CG) 01T384

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



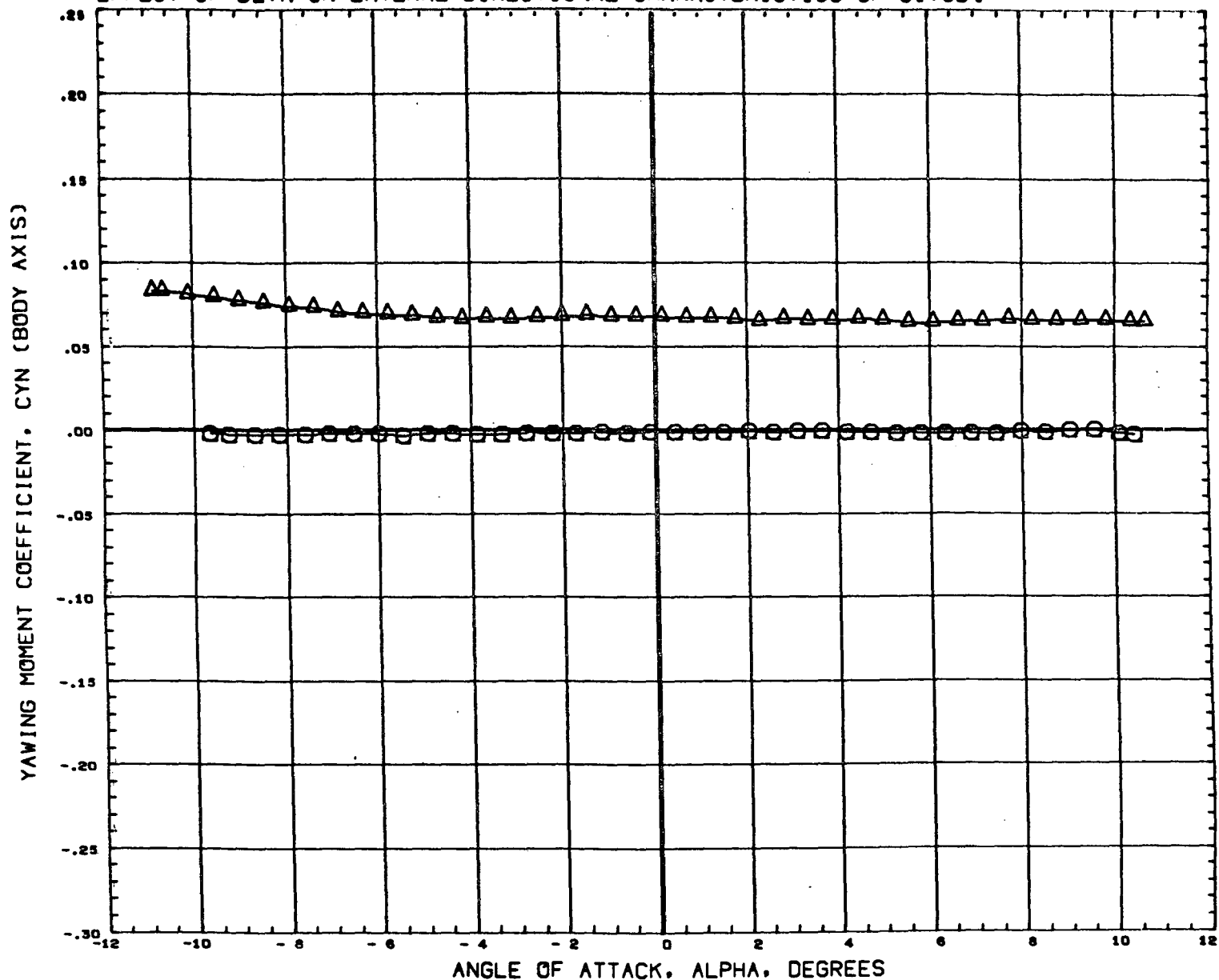
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7522) \circ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

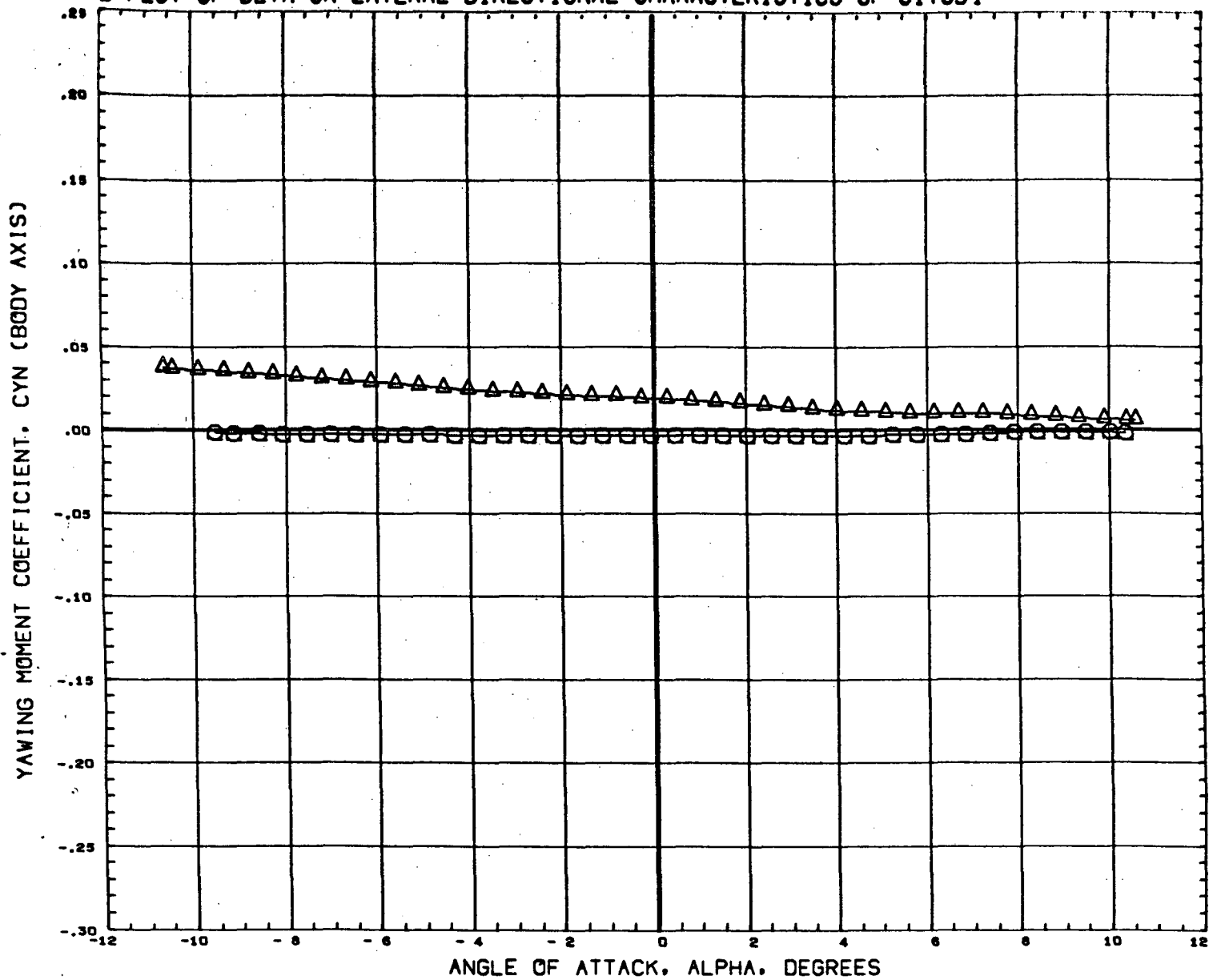
BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
6.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 2.20

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



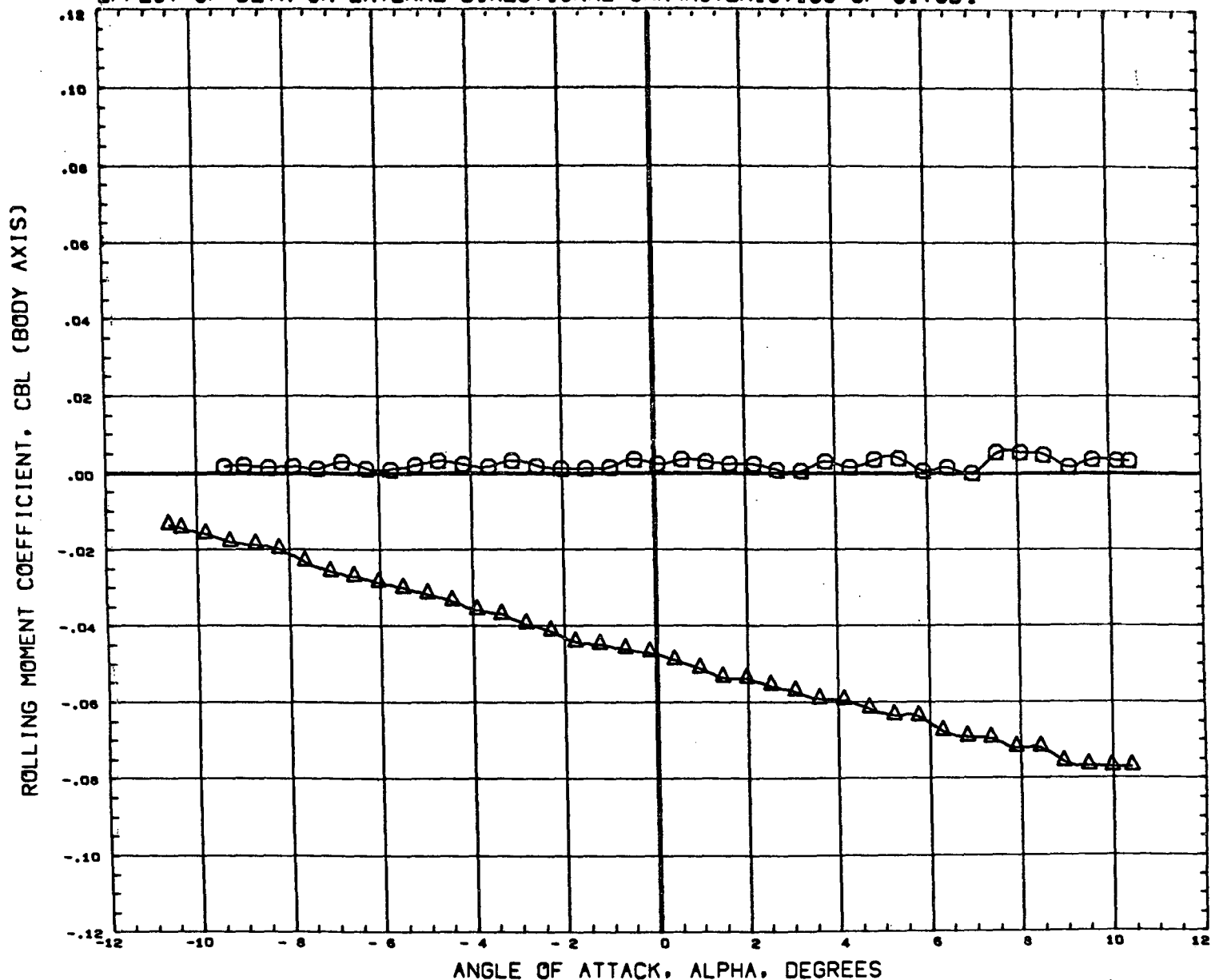
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	357.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
6.000 0.000 0.000 0.000

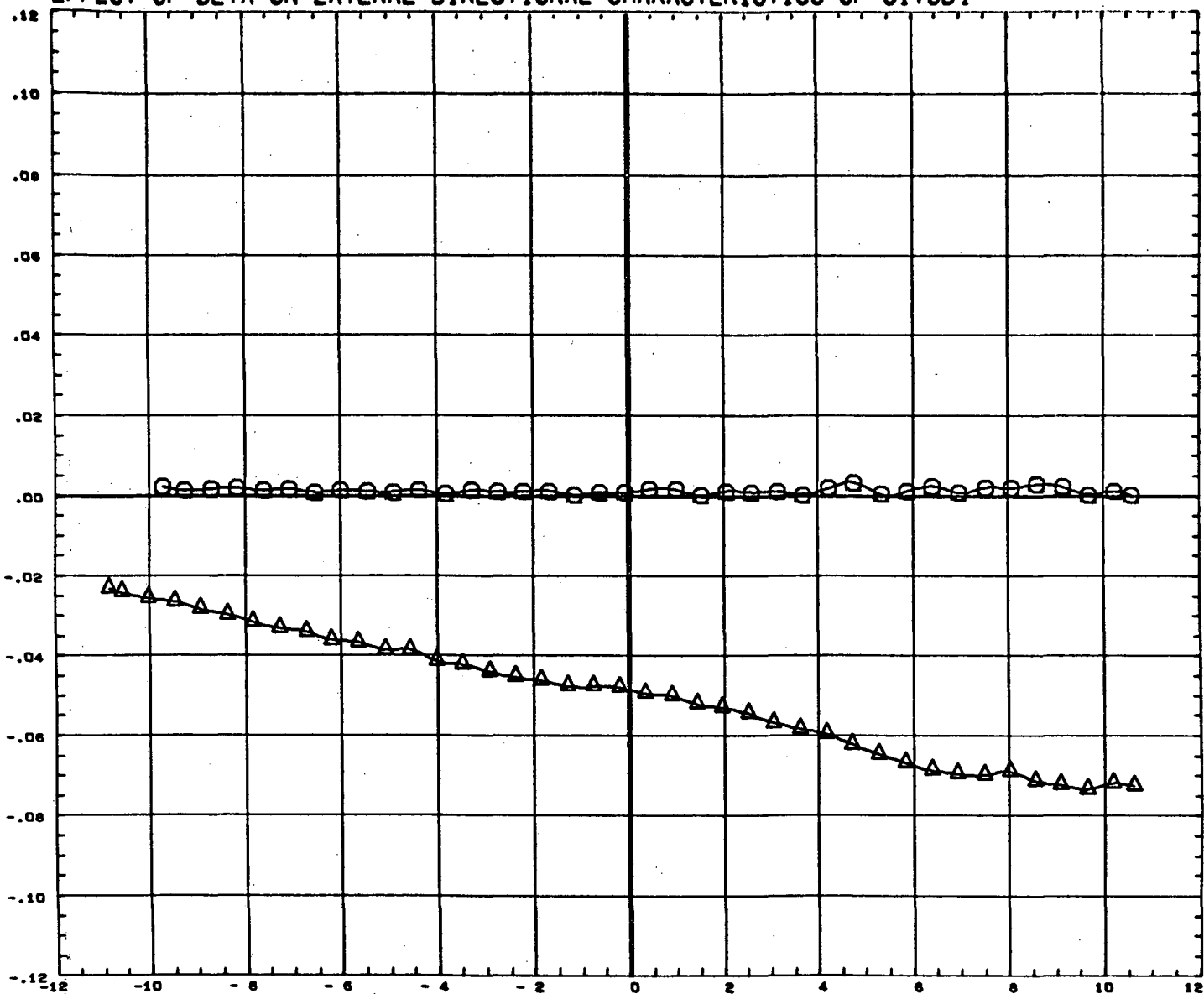
REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH .58

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



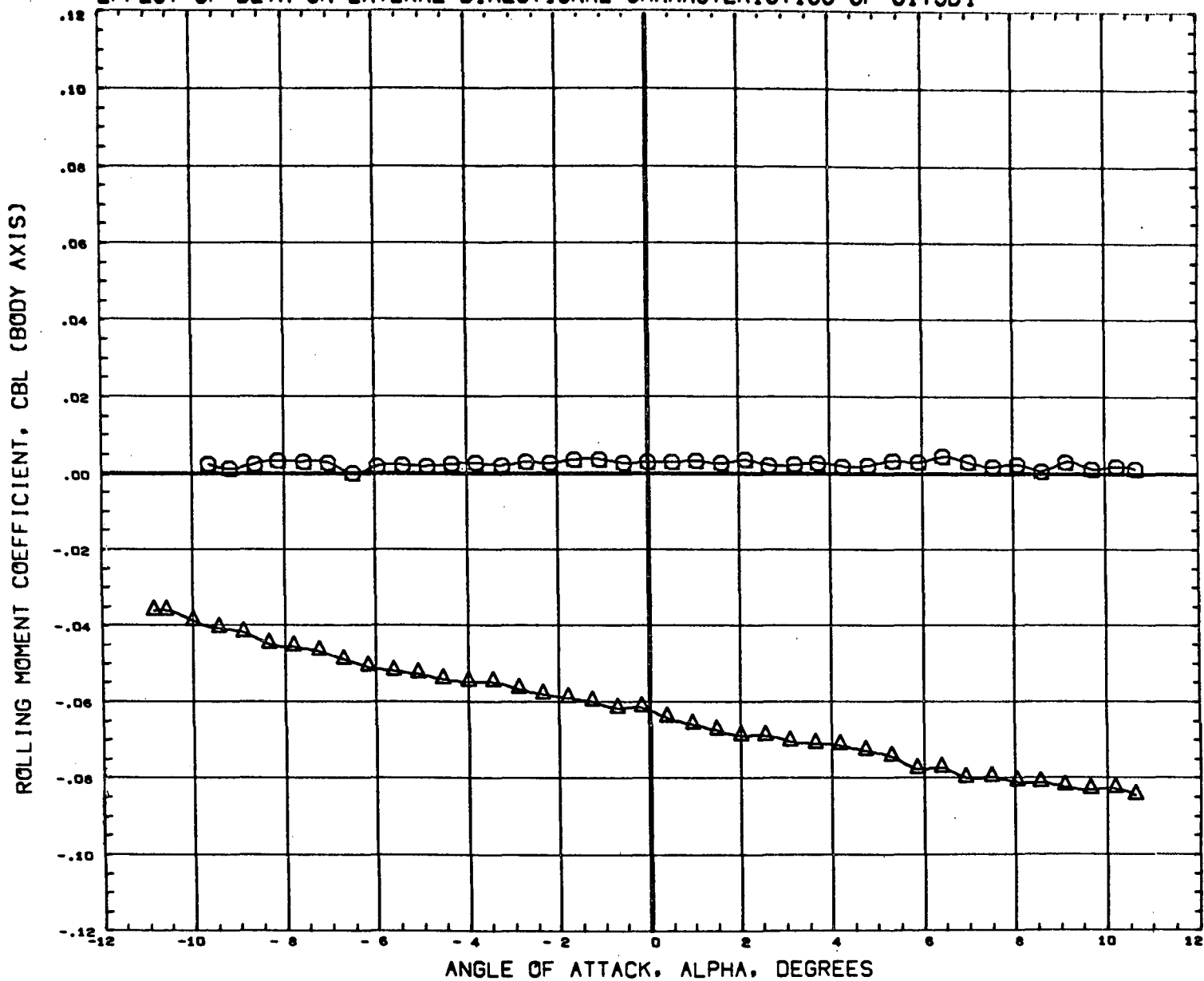
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



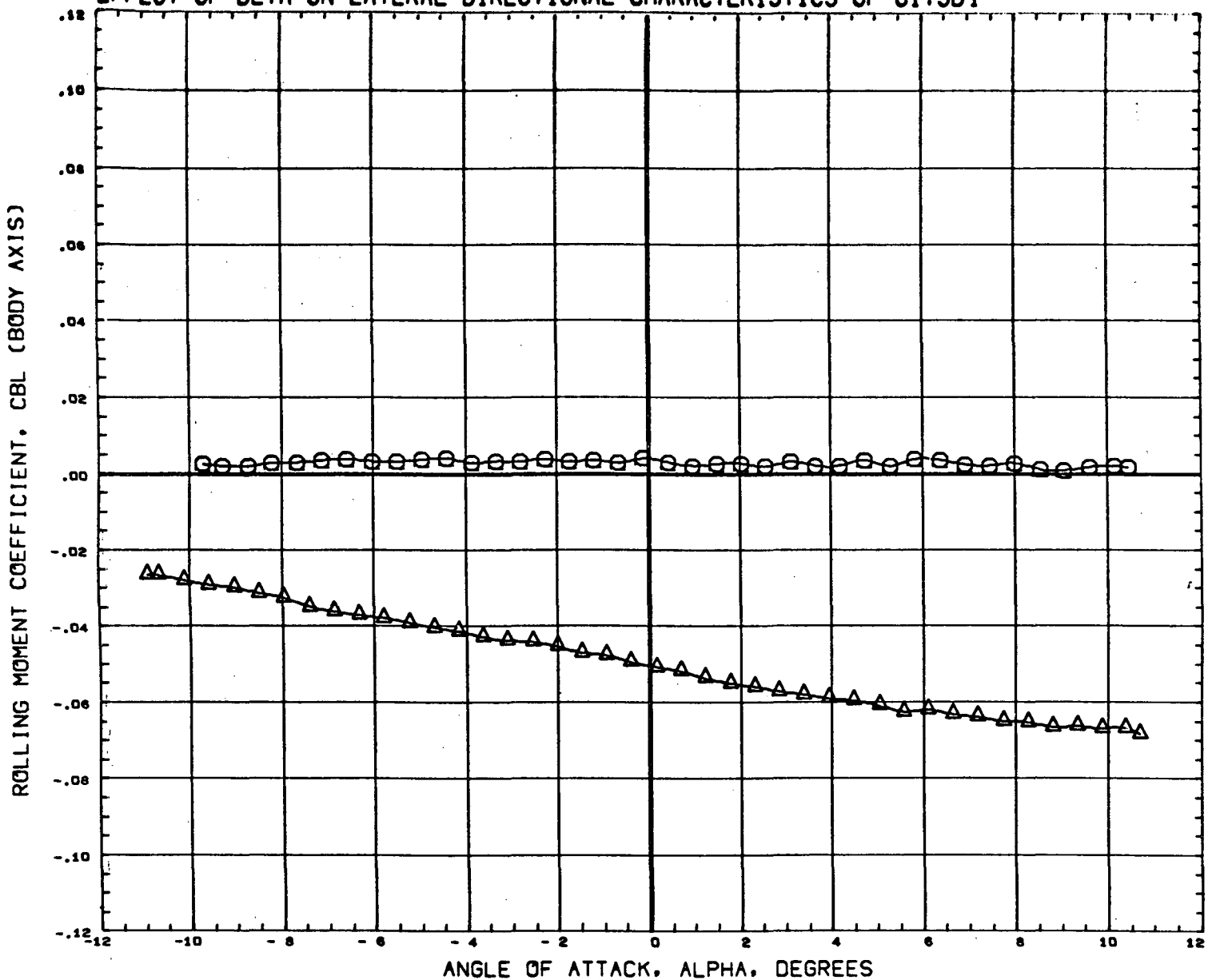
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7320) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7322) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



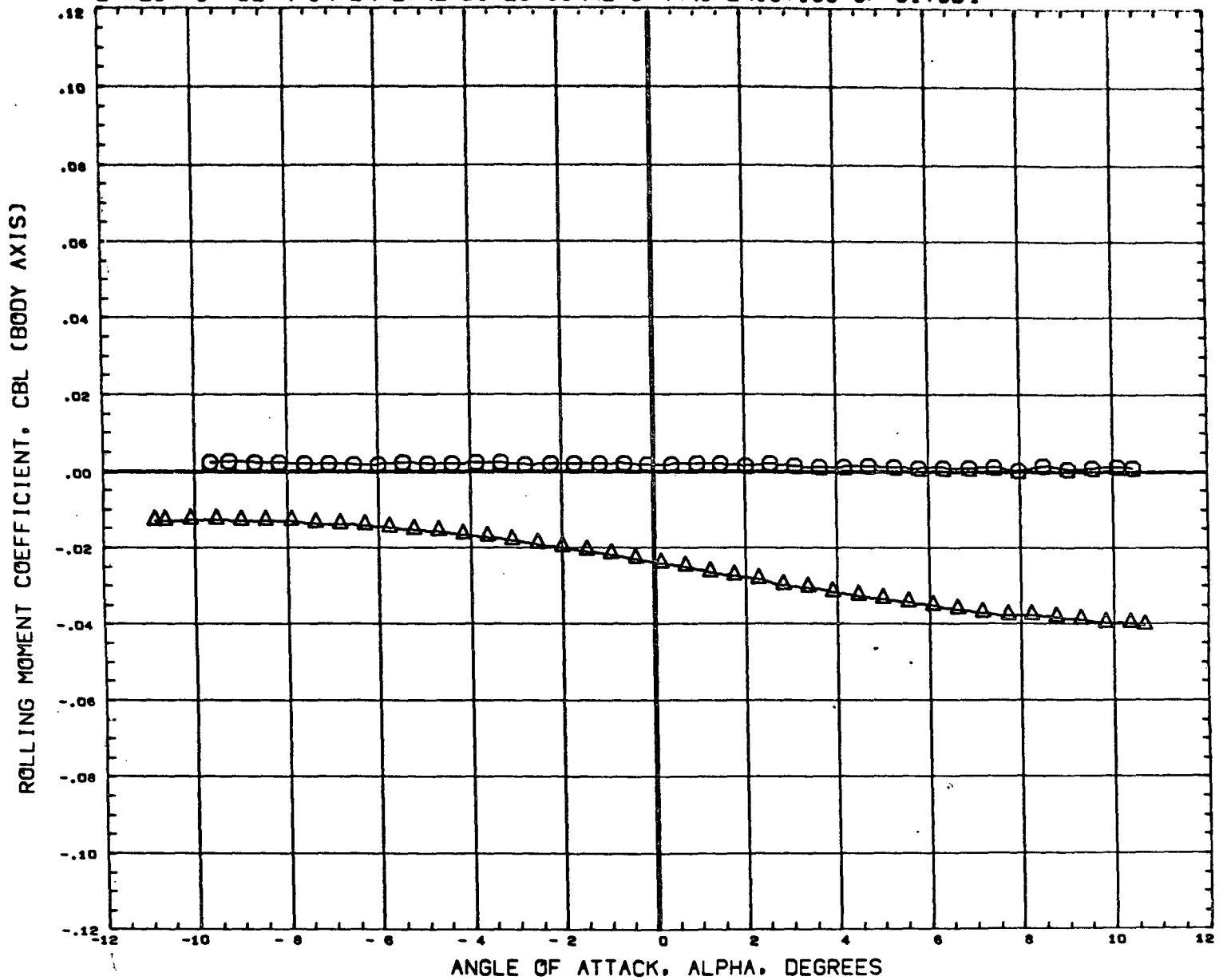
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7522) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



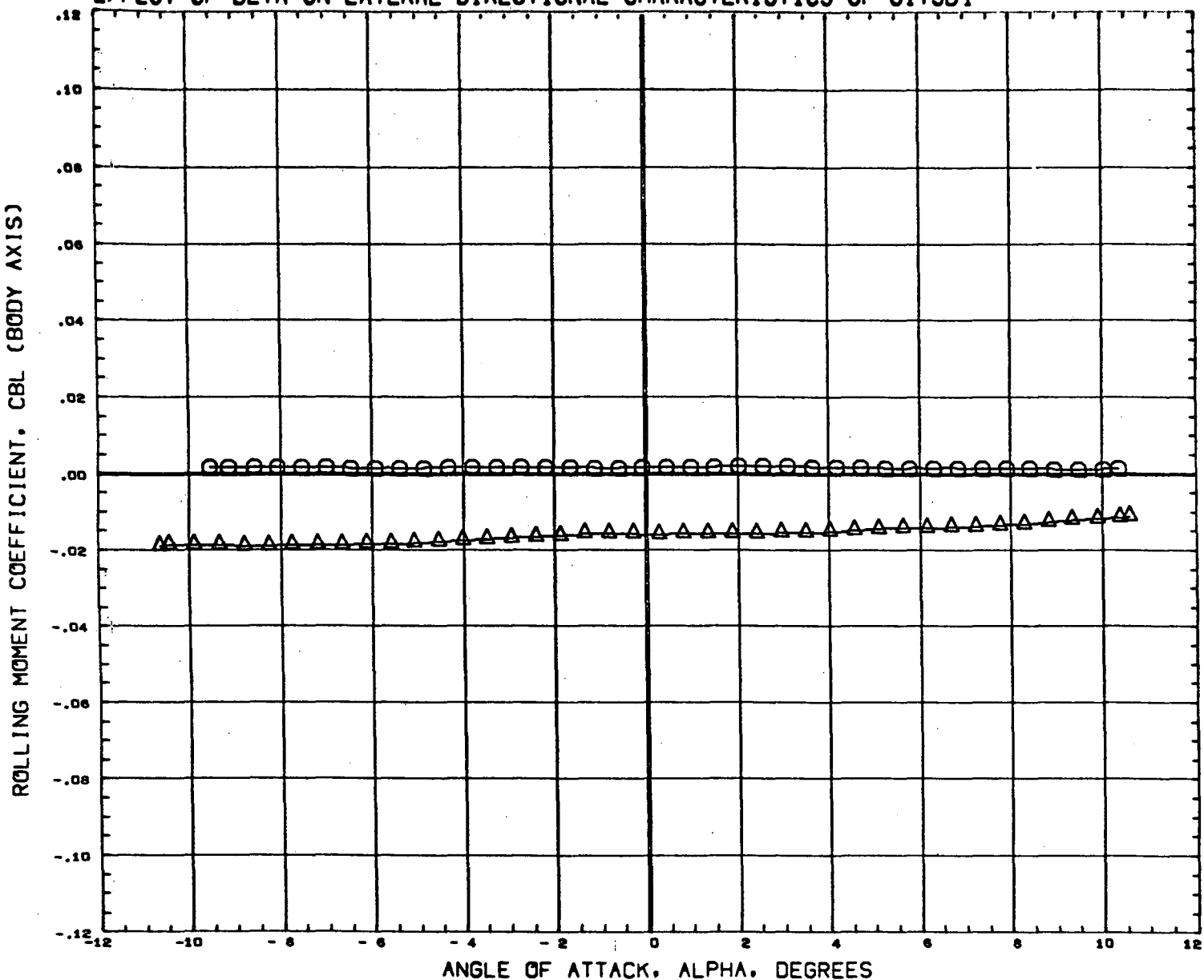
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BETA ON LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4



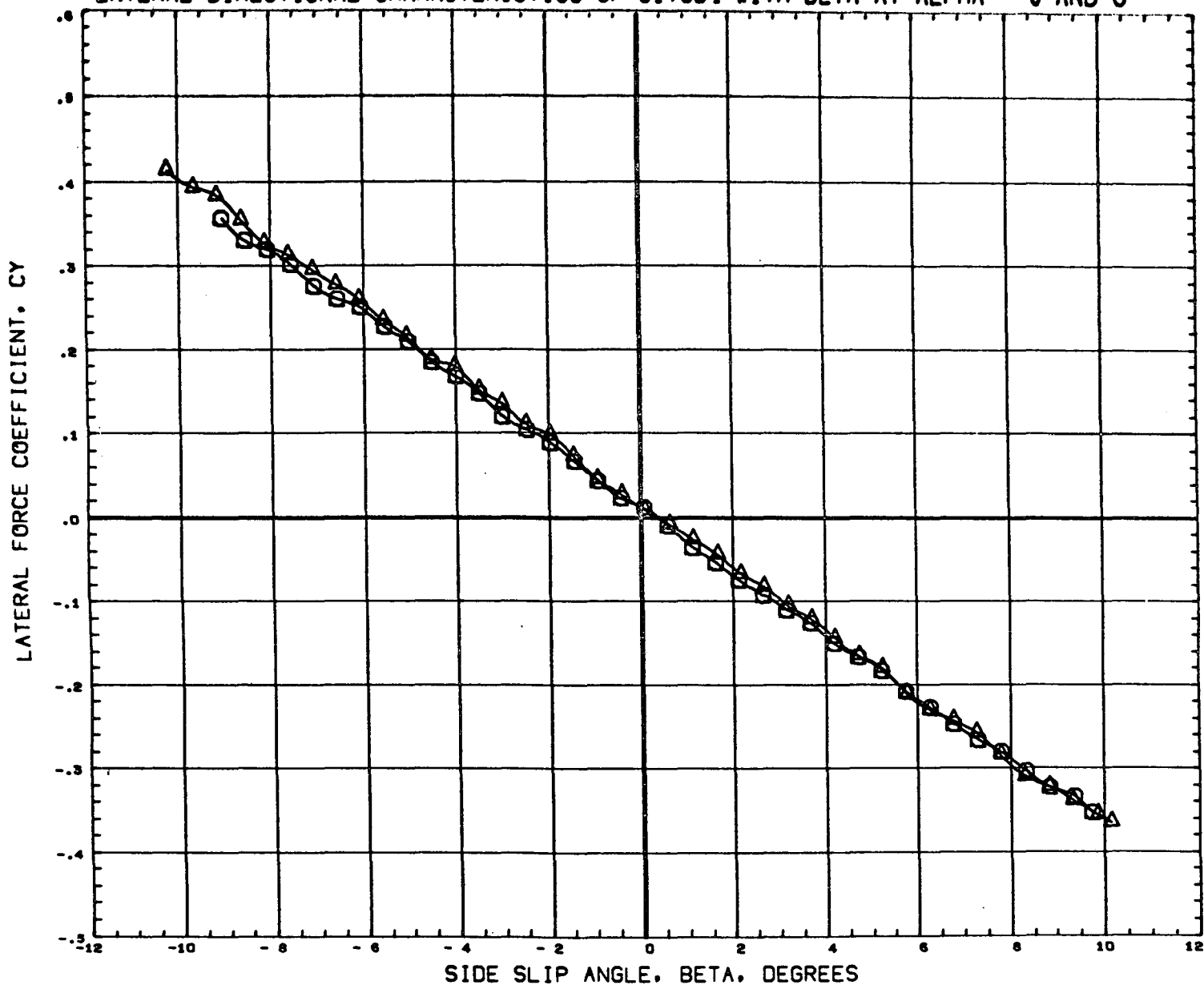
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7520) ○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7522) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	862.0004	IN.
				XMRF	557.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



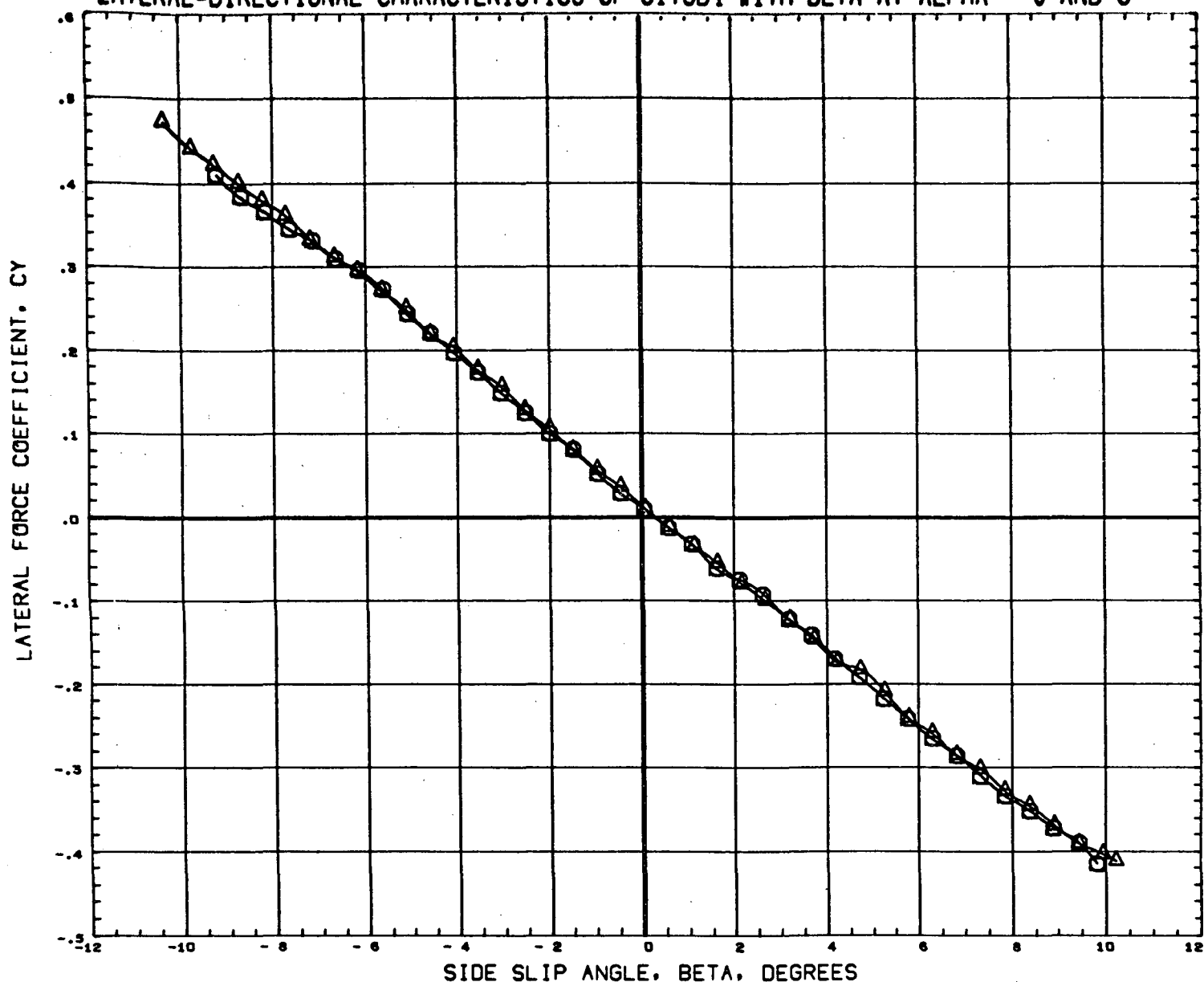
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) \bigcirc MDAC S-222 COMPOSITE (T-C6) 01T3B4
(RD7523) \triangle MDAC S-222 COMPOSITE (T-C6) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



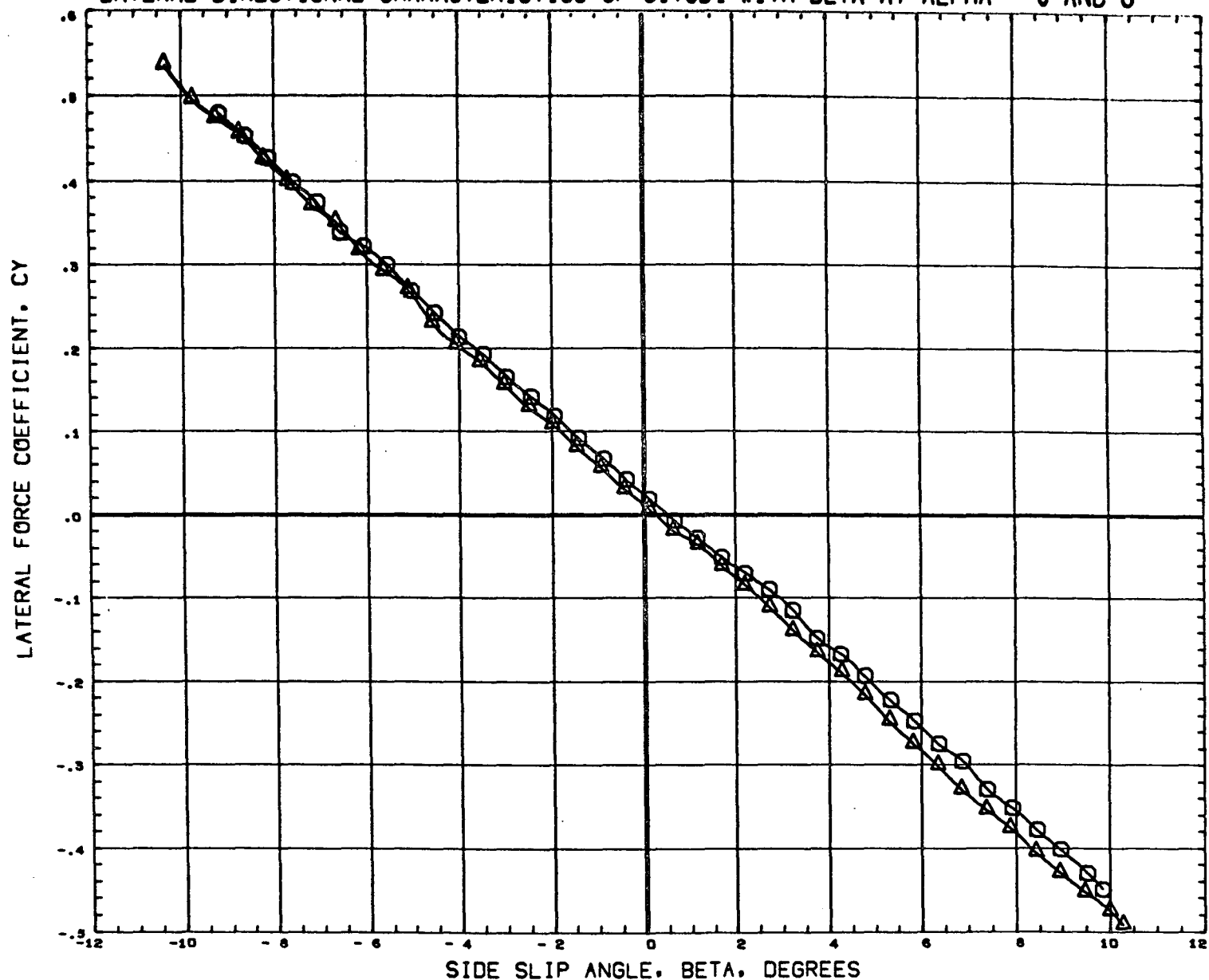
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7521) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7523) MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH .89

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



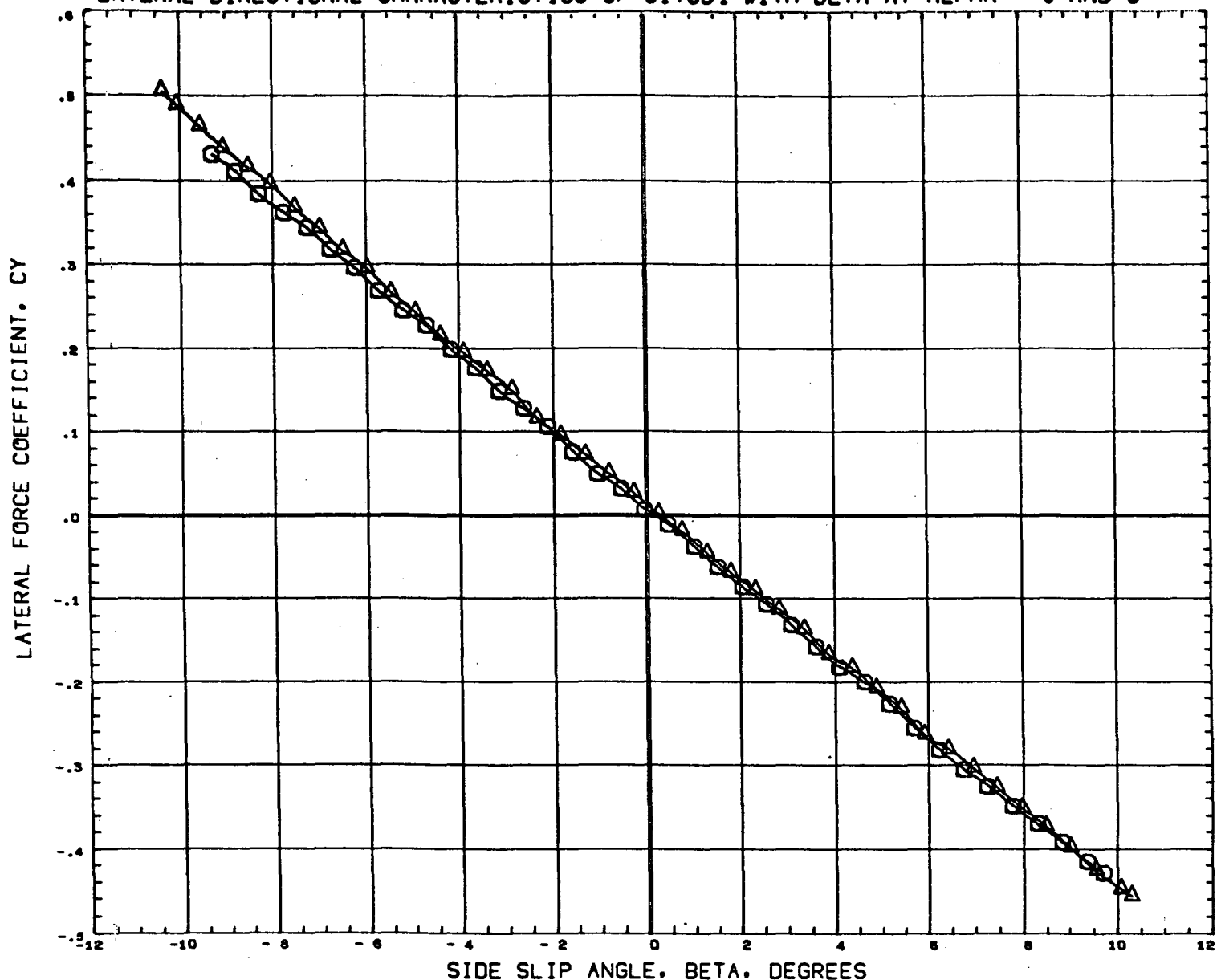
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



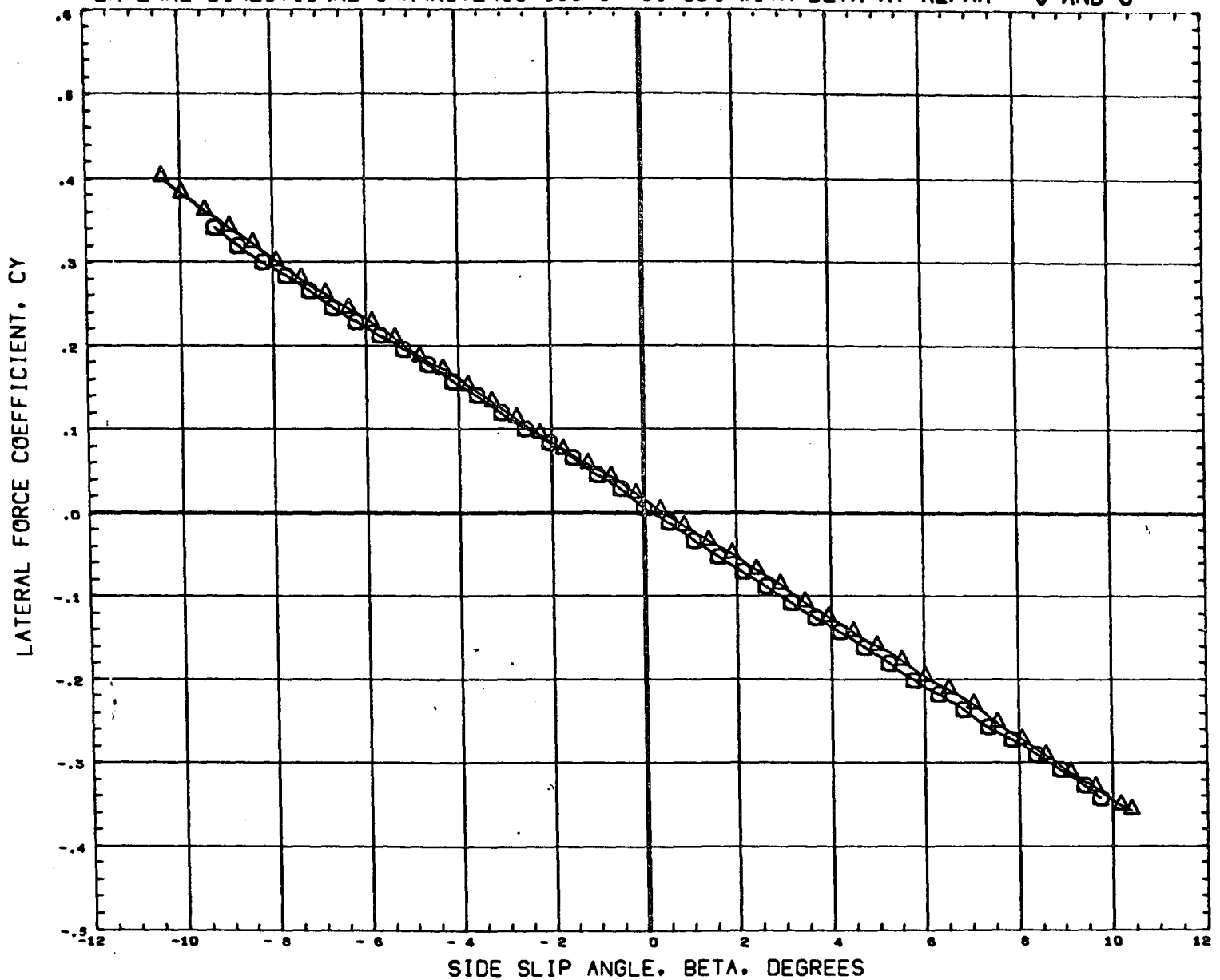
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



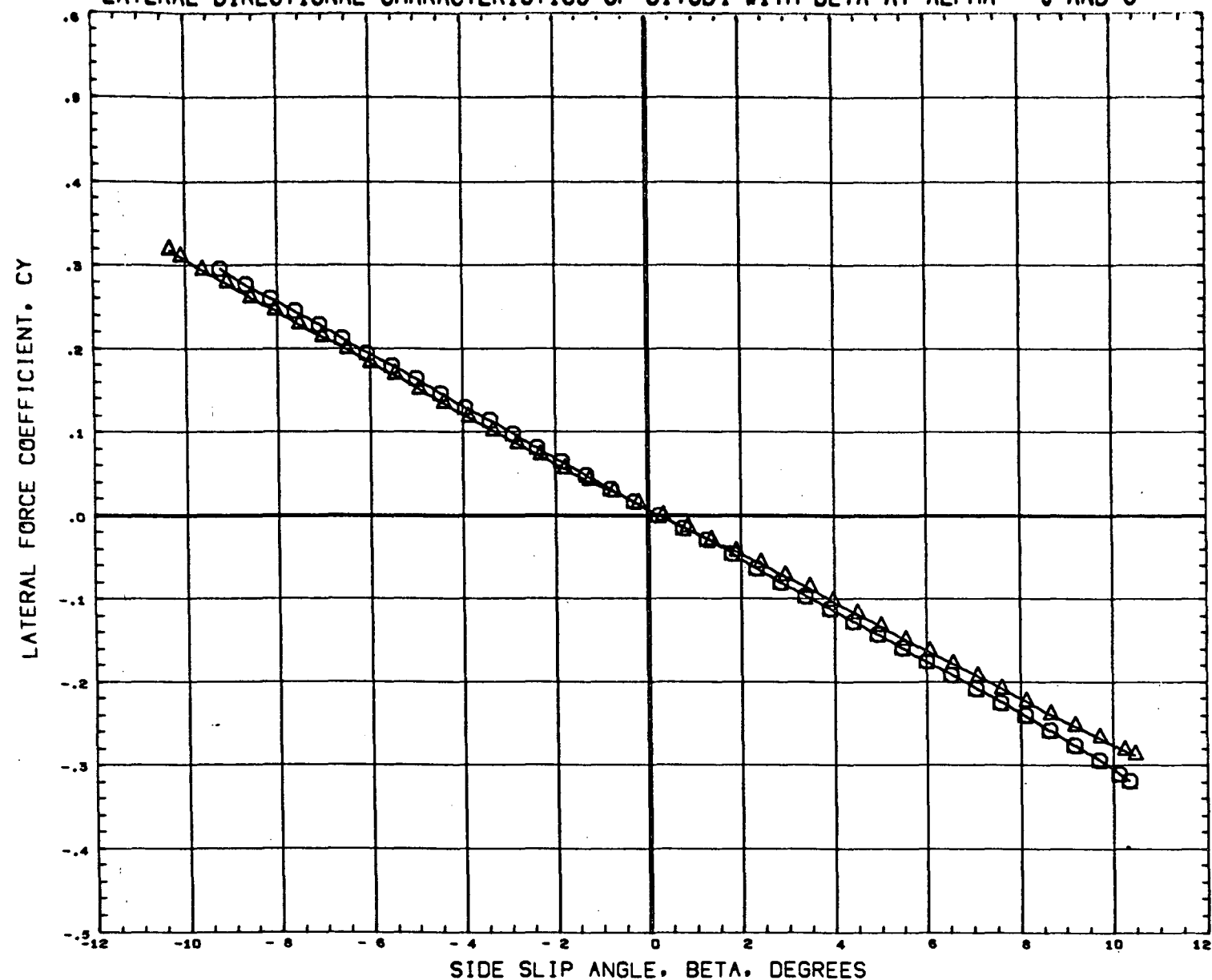
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

PAGE 416

LATERAL-DIRECTIONAL CHARACTERISTICS OF O1T3B4 WITH BETA AT ALPHA = 0 AND 6



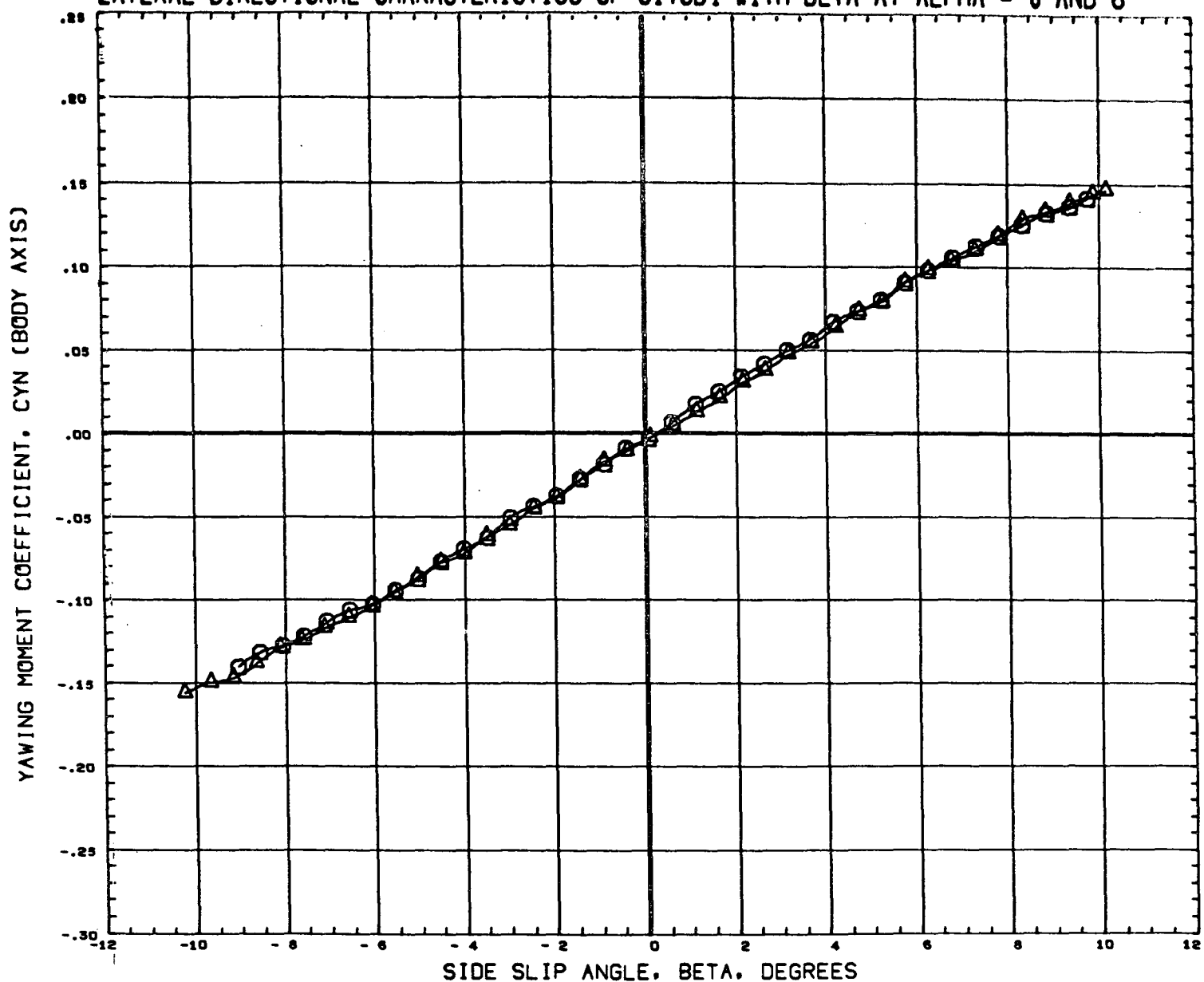
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(RD7521) MDAC S-222 COMPOSITE (T-CG) O1T3B4
(RD7523) MDAC S-222 COMPOSITE (T-CG) O1T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	682.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 417

LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



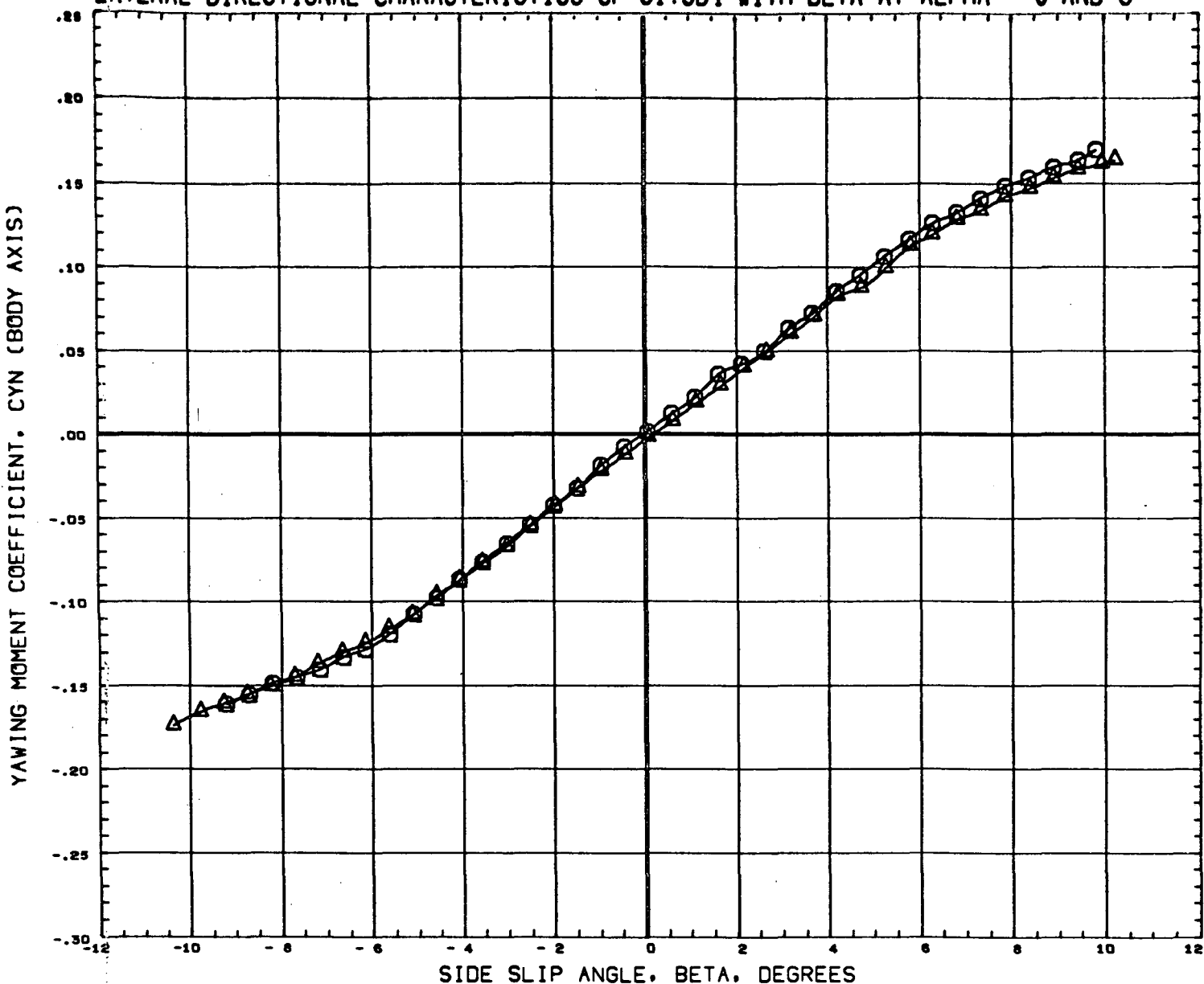
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(RD7521) \bigcirc MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

PAGE 418

LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



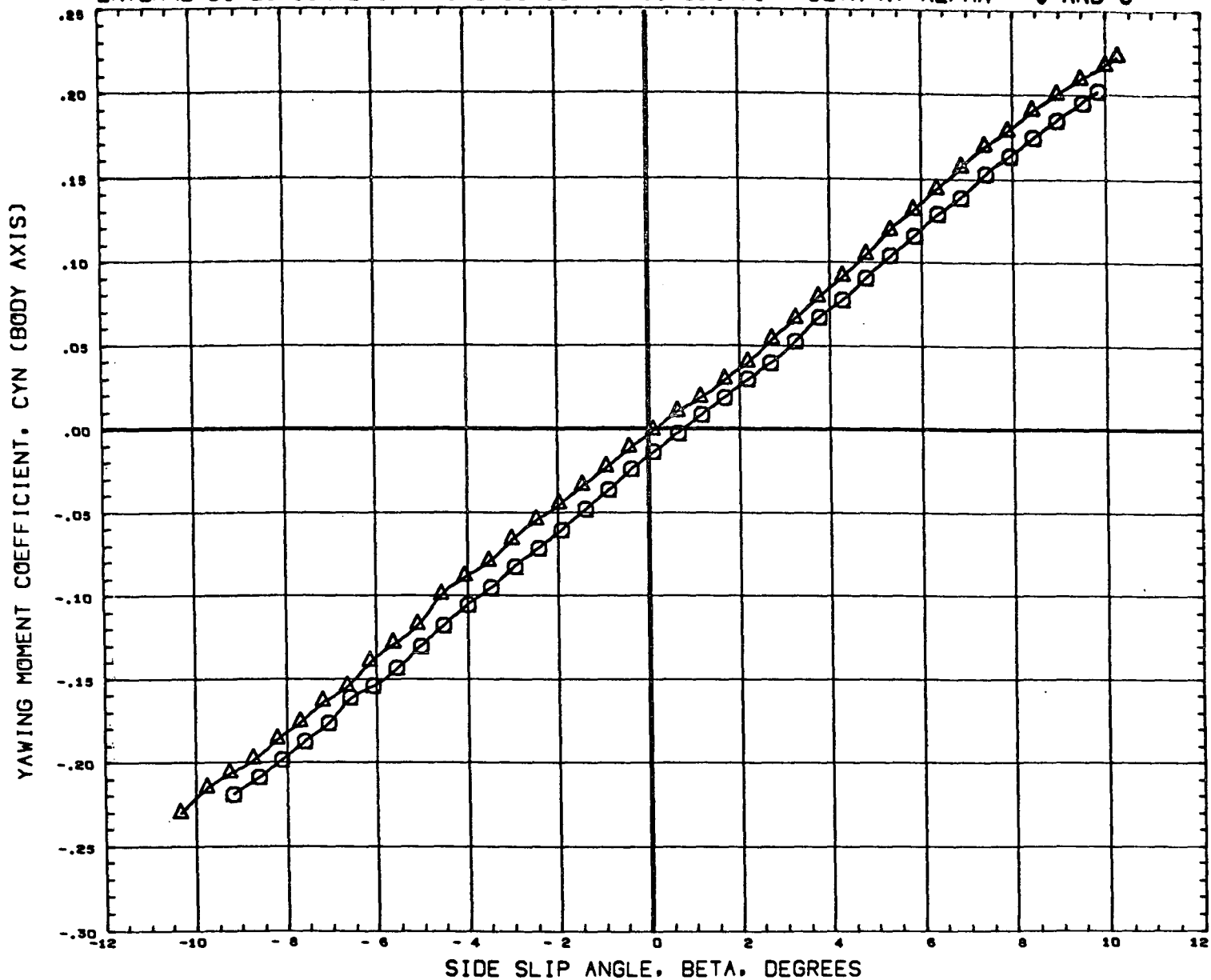
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(RD7523) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) \bigcirc MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4

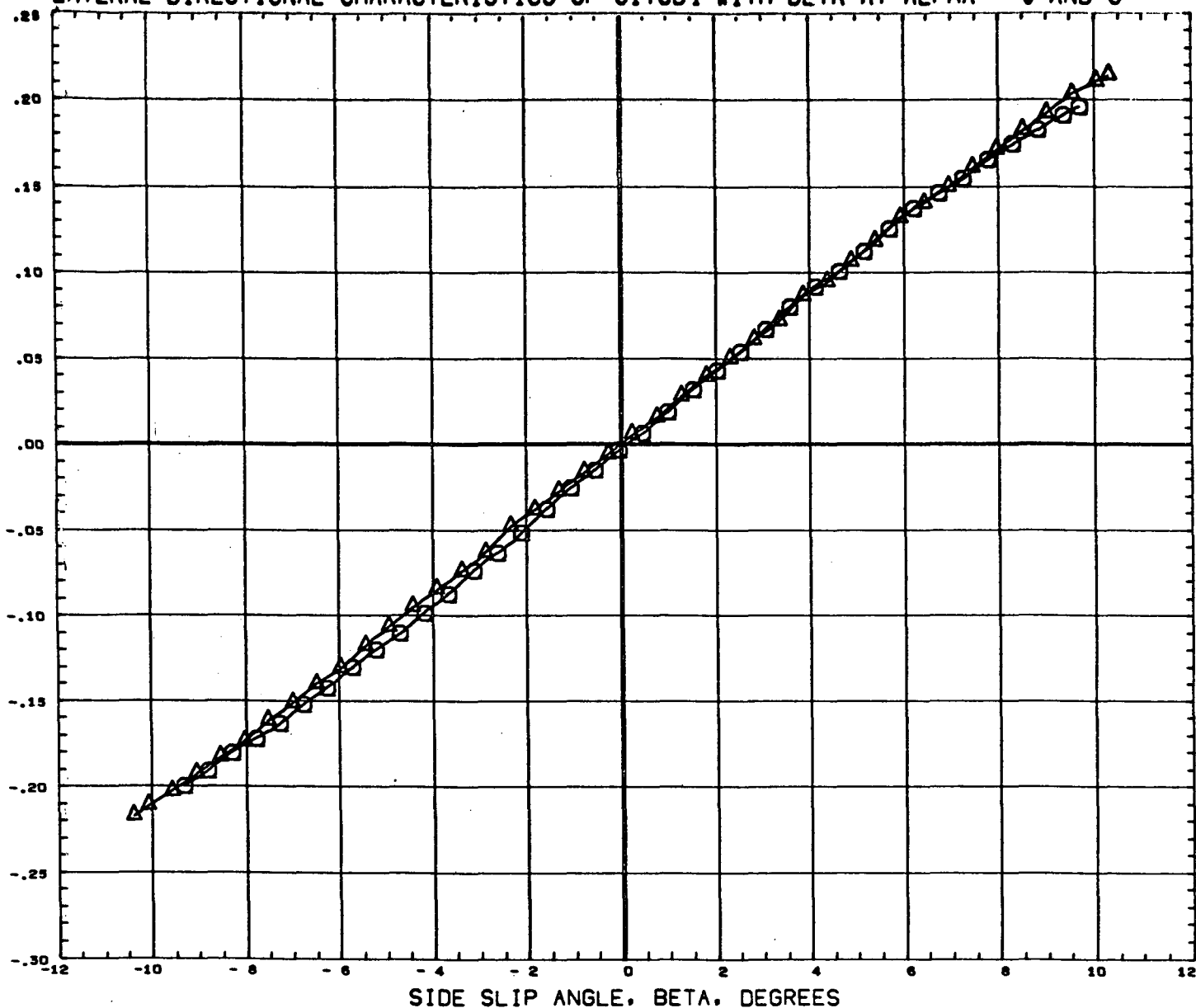
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
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6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRF	557.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH 1.09

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



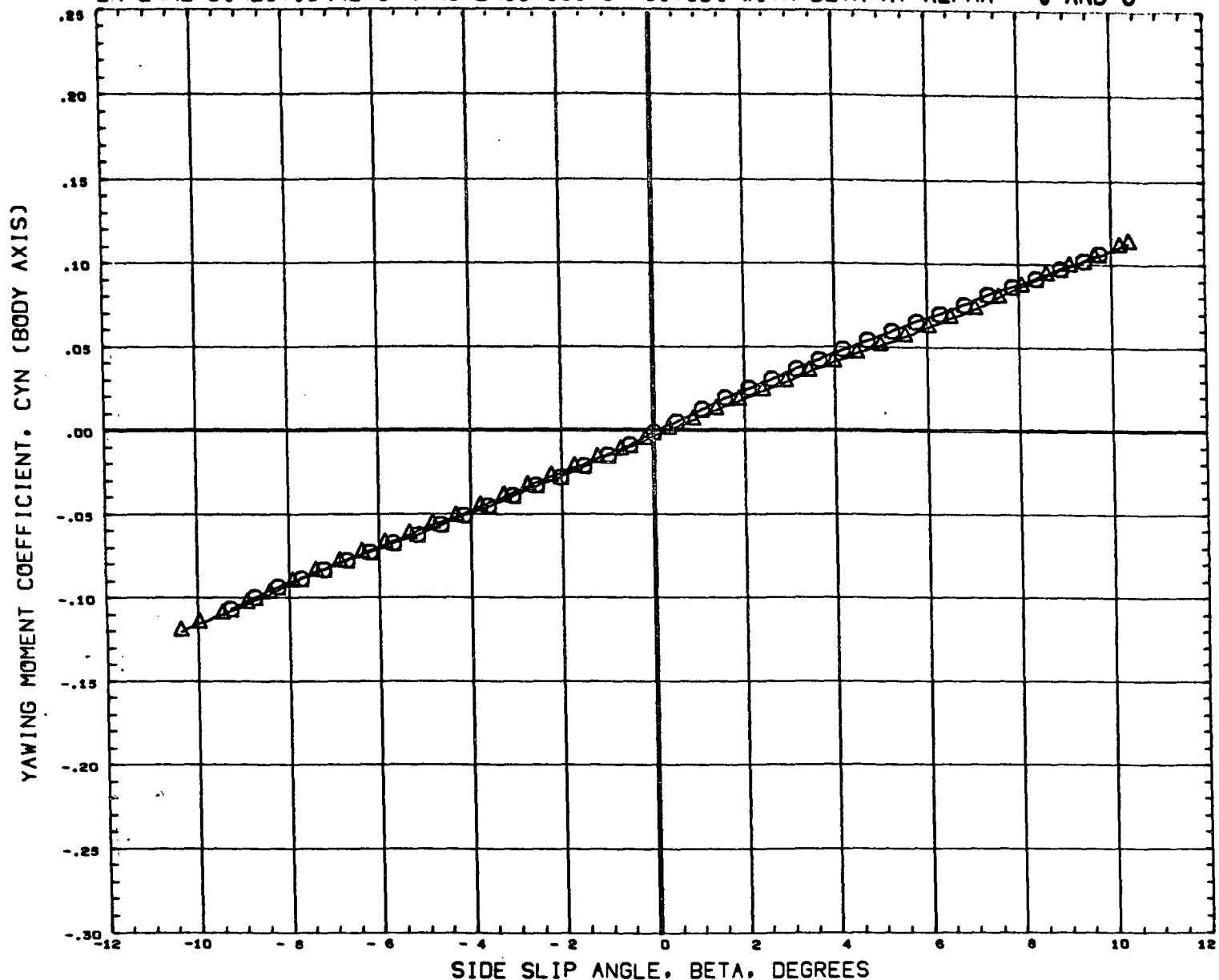
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7521) ○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.51

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



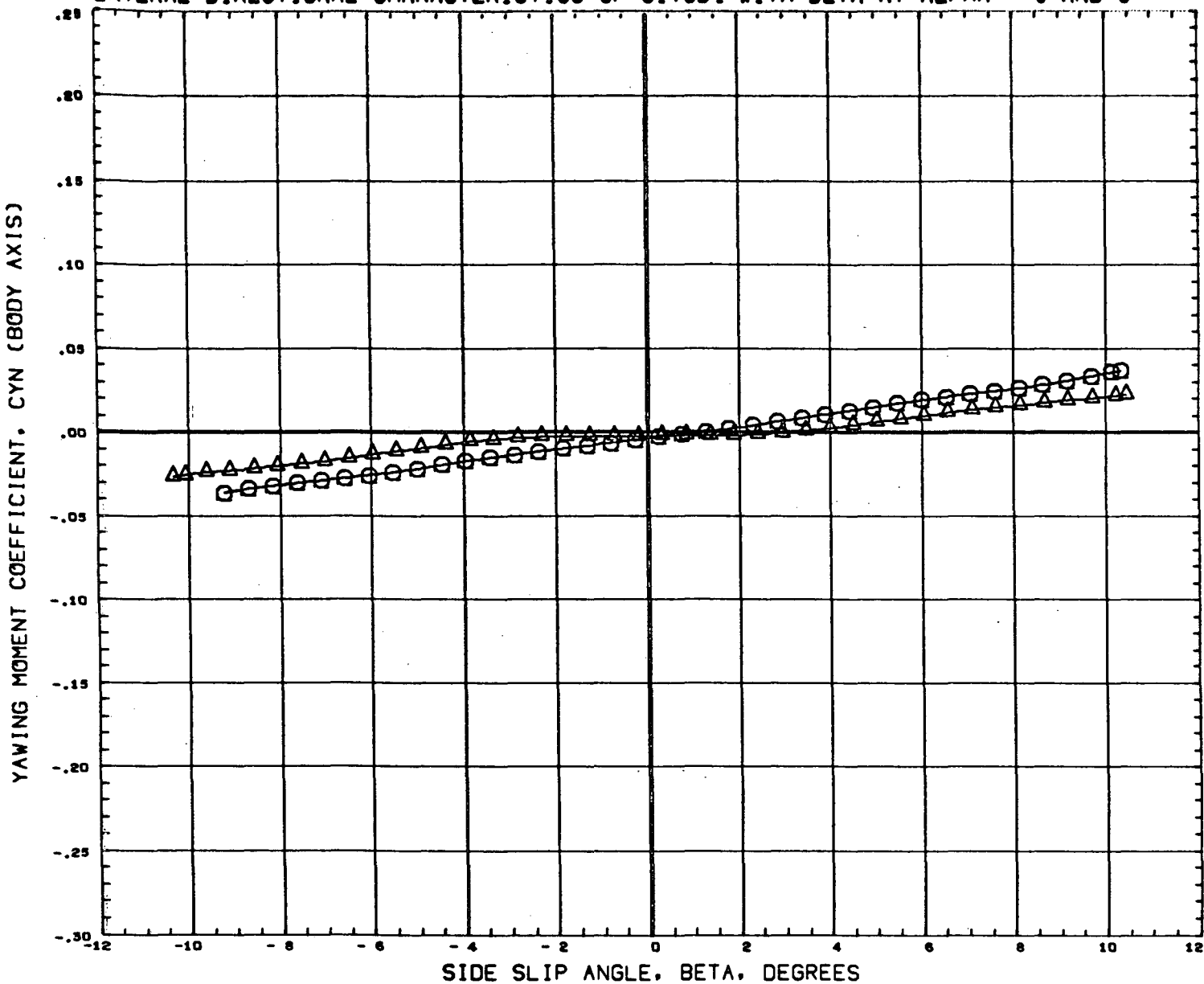
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T384 WITH BETA AT ALPHA = 0 AND 6



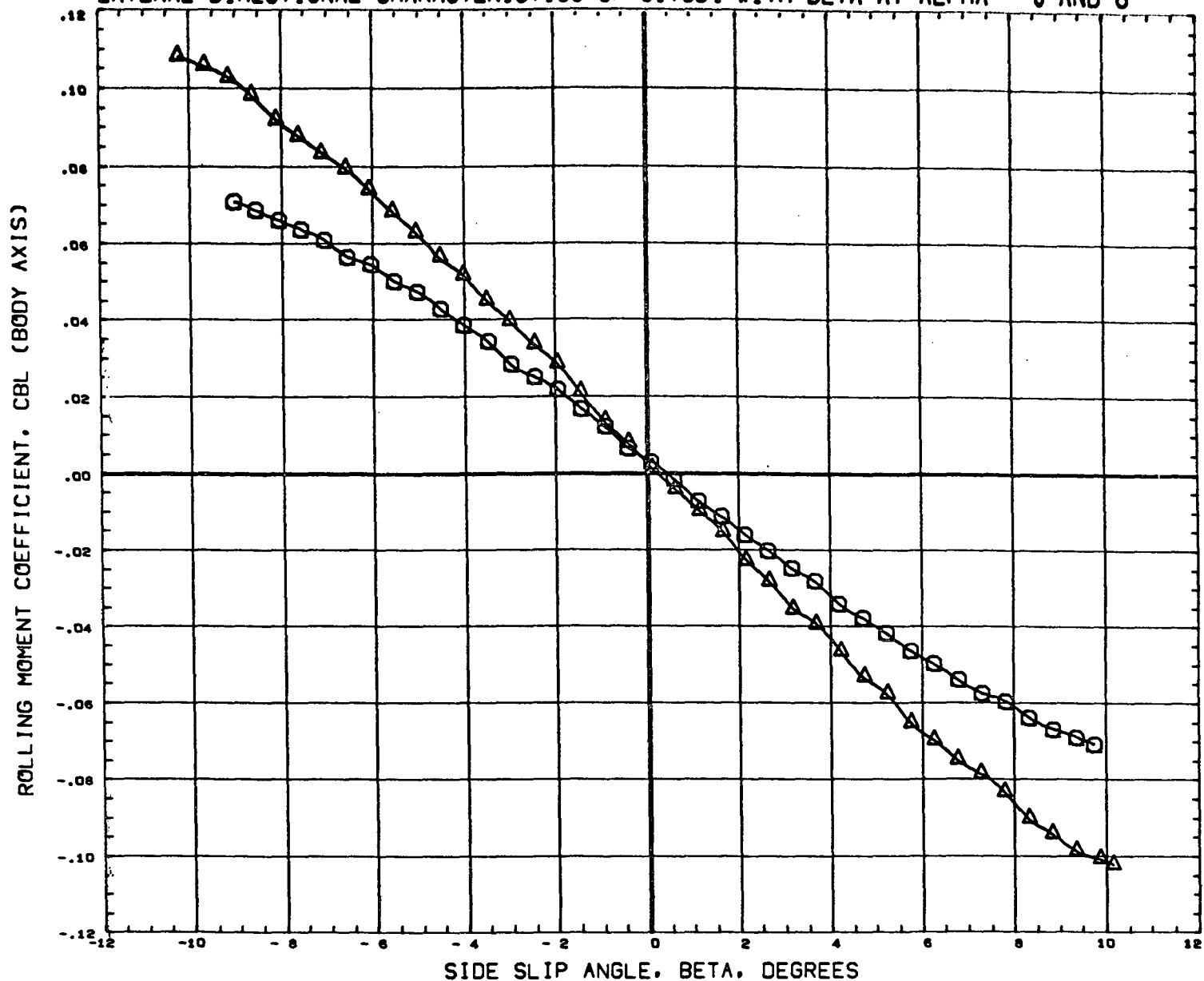
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(RD7523) MDAC S-222 COMPOSITE (T-CG) 01T384

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



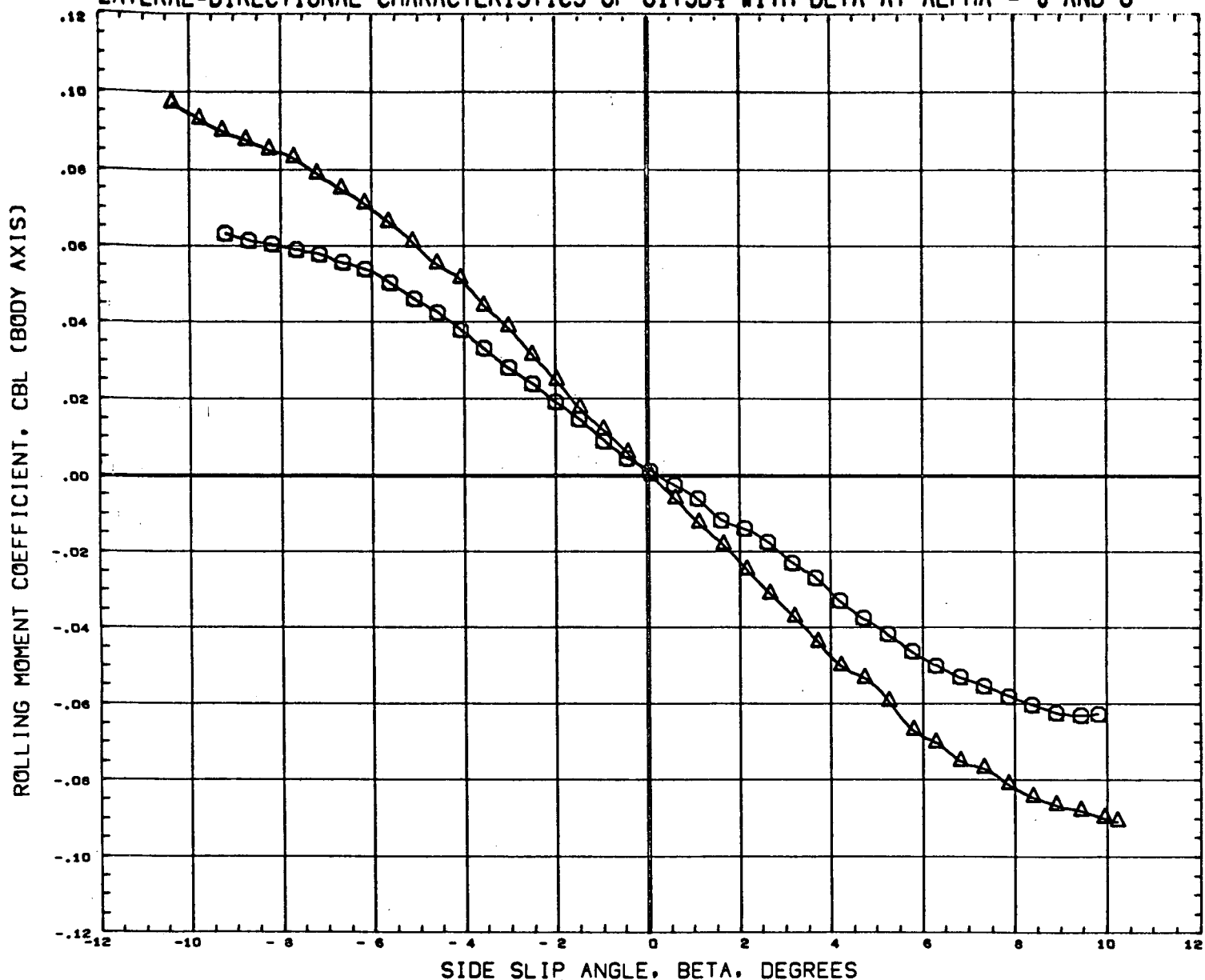
DATA SET SYMBOL CONFIGURATION DESCRIPTION
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(RD7523) MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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LATERAL-DIRECTIONAL CHARACTERISTICS OF O1T3B4 WITH BETA AT ALPHA = 0 AND 6



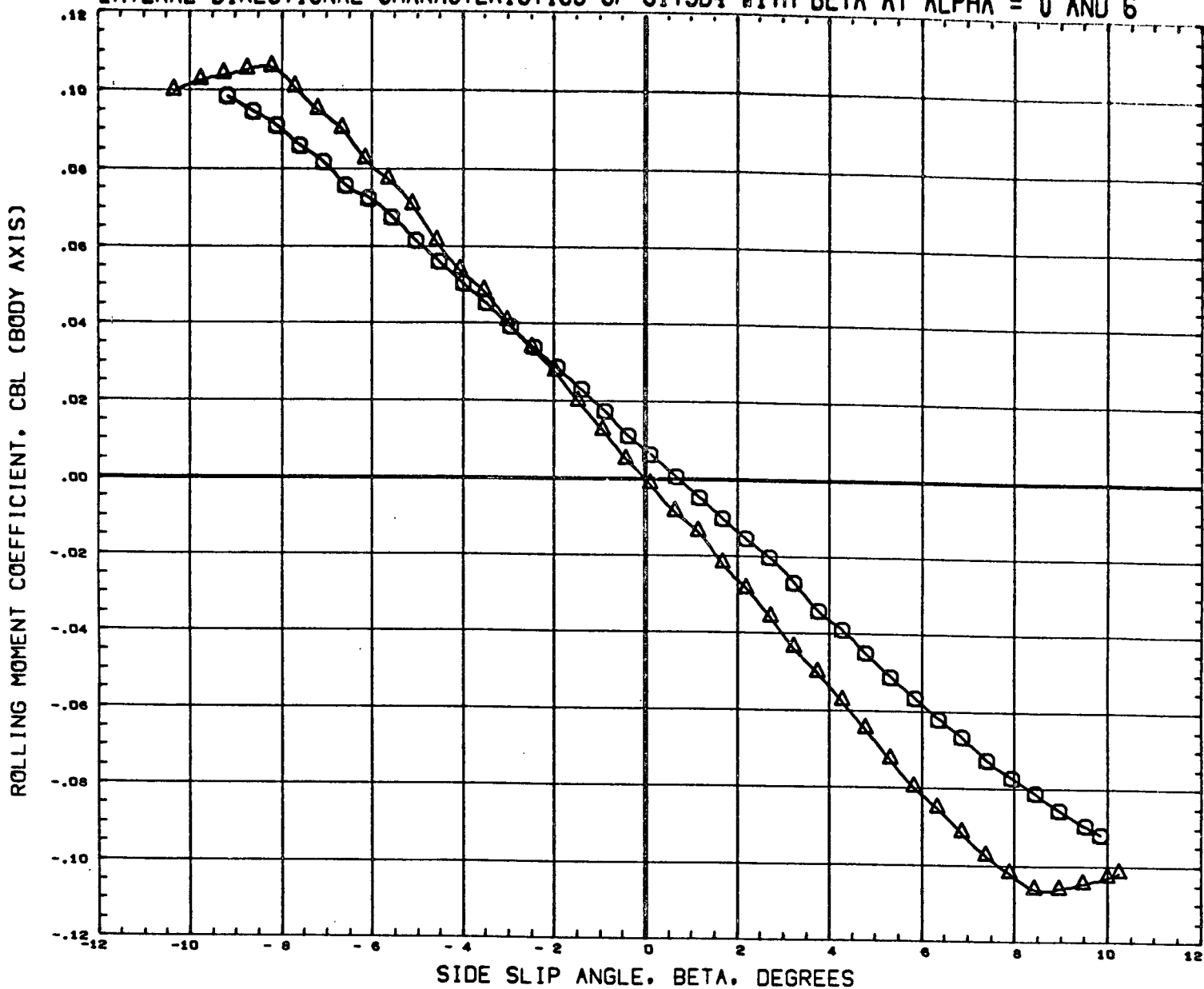
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 (RD7523) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				YMRP	557.0004	IN.
				ZMRP	0.0000	IN.
				SCALE	200.0004	IN.
					0.0060	

MACH .89

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



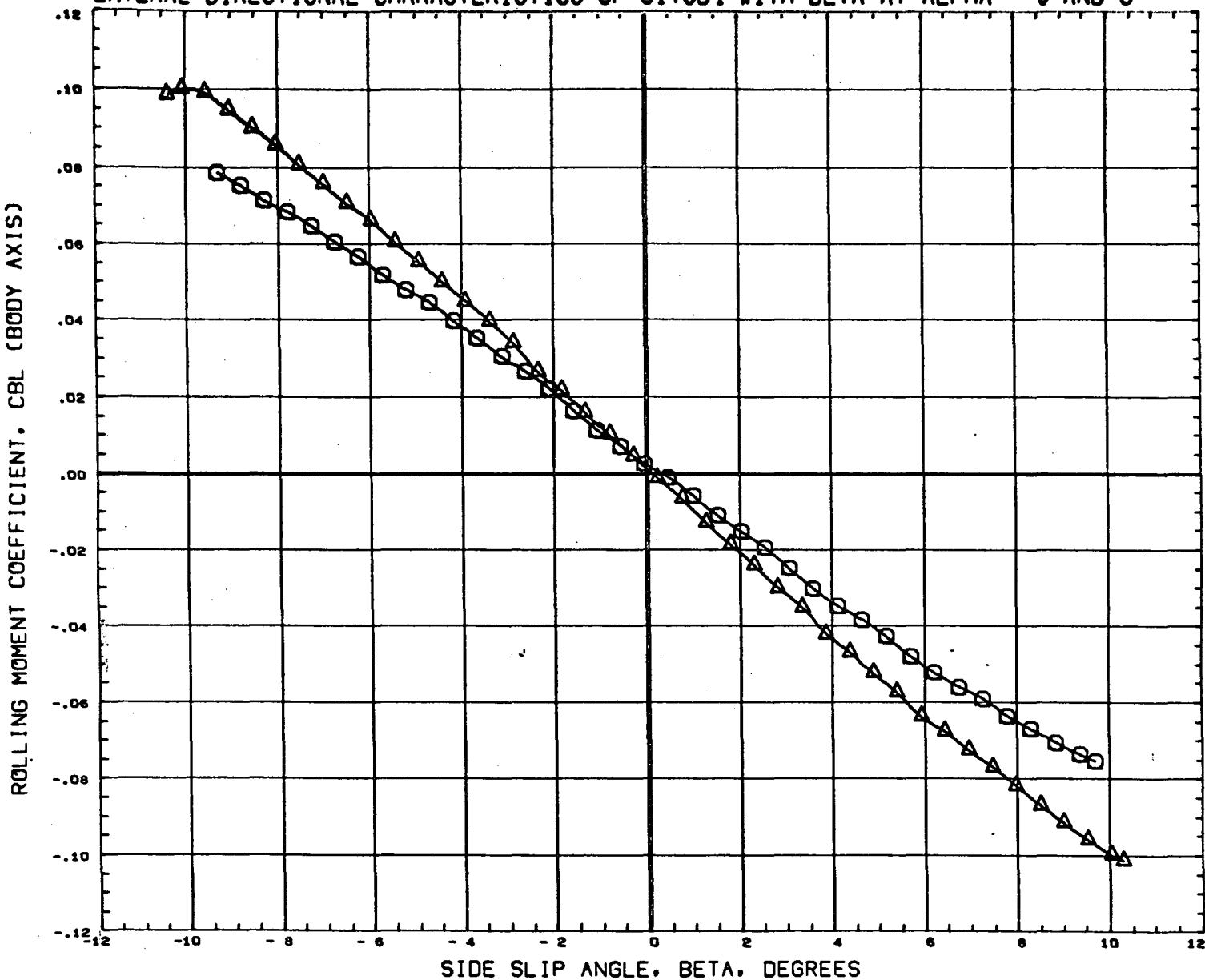
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 (RD7523) MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7521) ○ MDAC S-222 COMPOSITE (T-C6) 01T3B4
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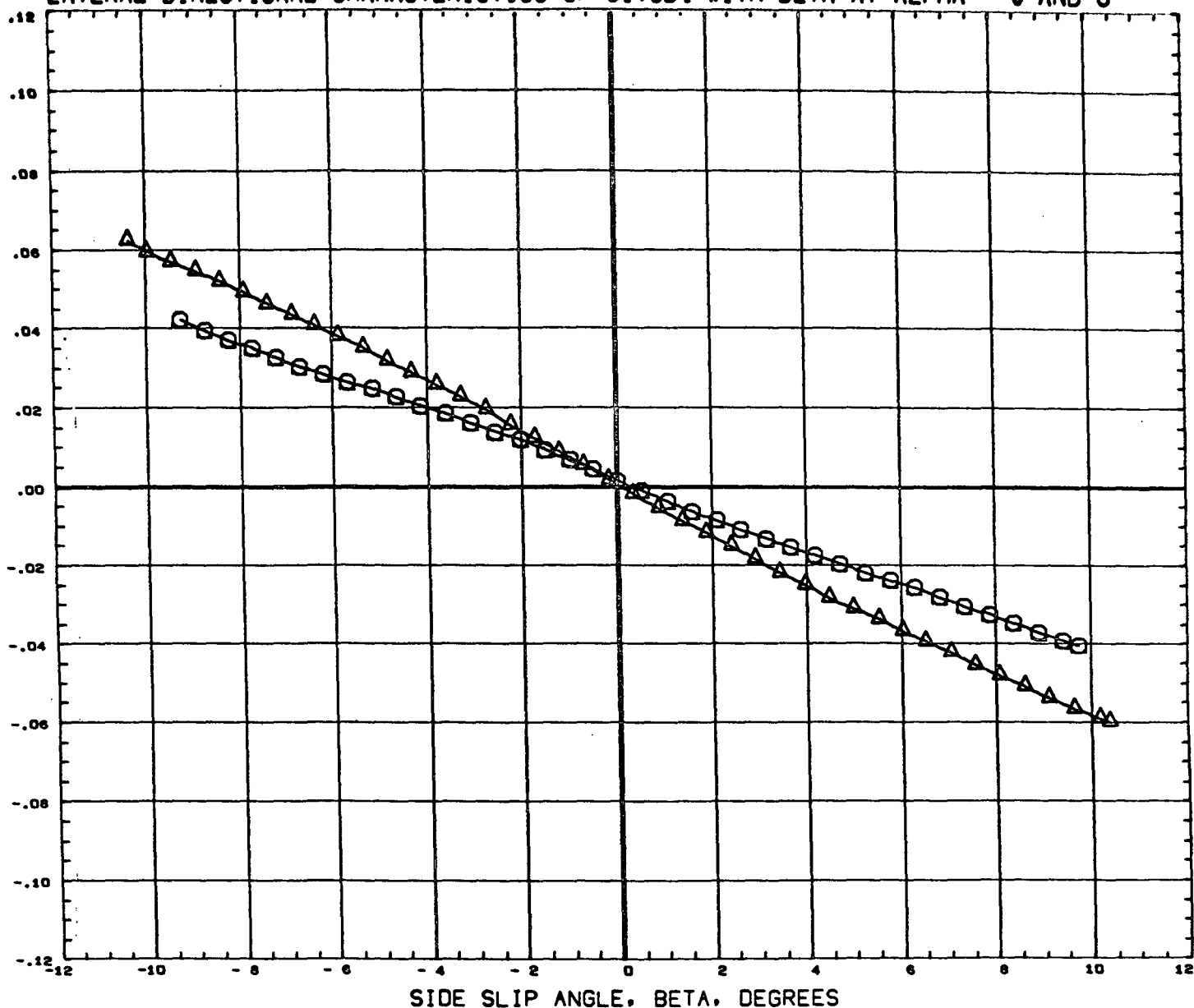
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7521) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7523) MDAC S-222 COMPOSITE (T-CG) 01T3B4

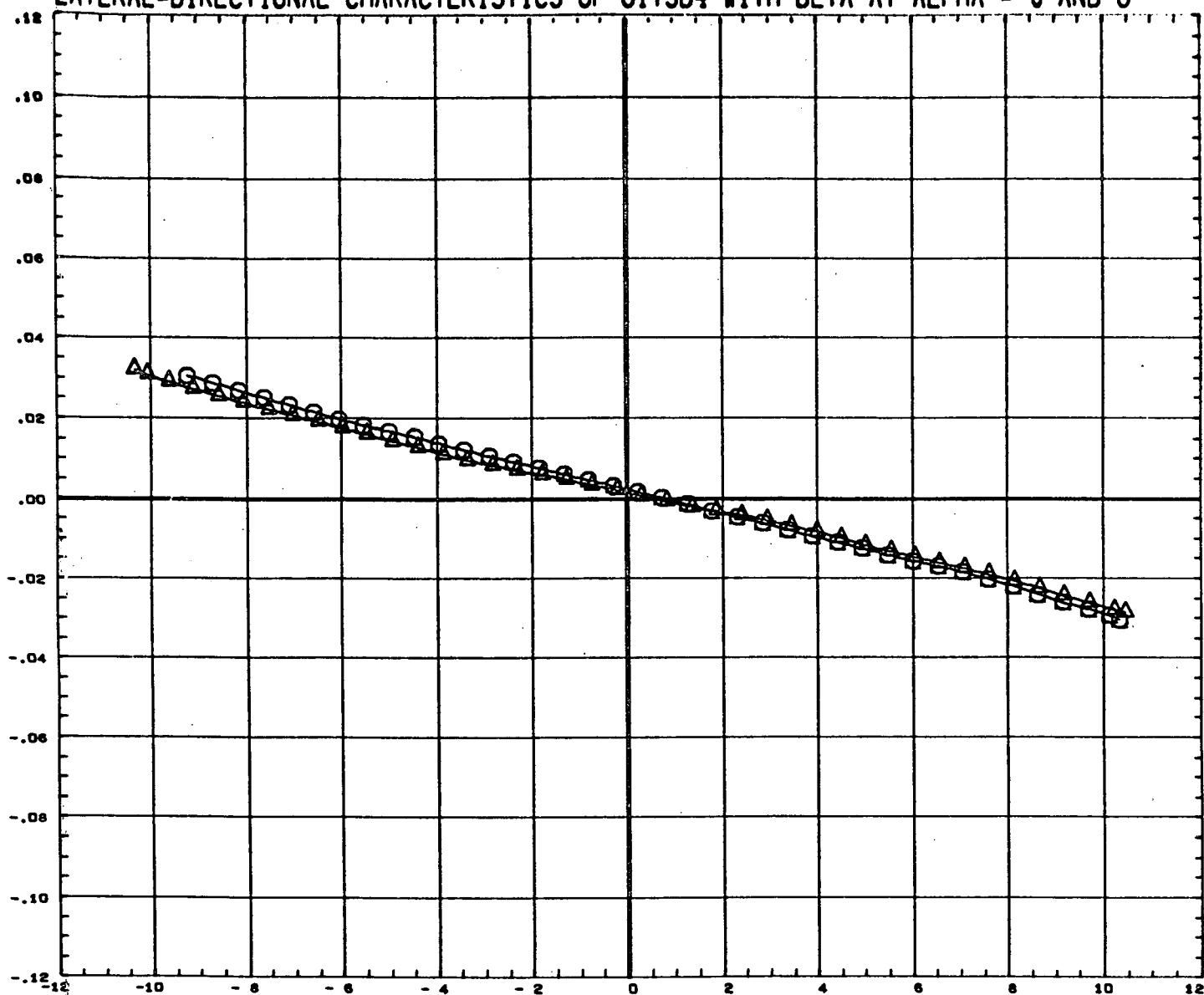
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (R07523) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

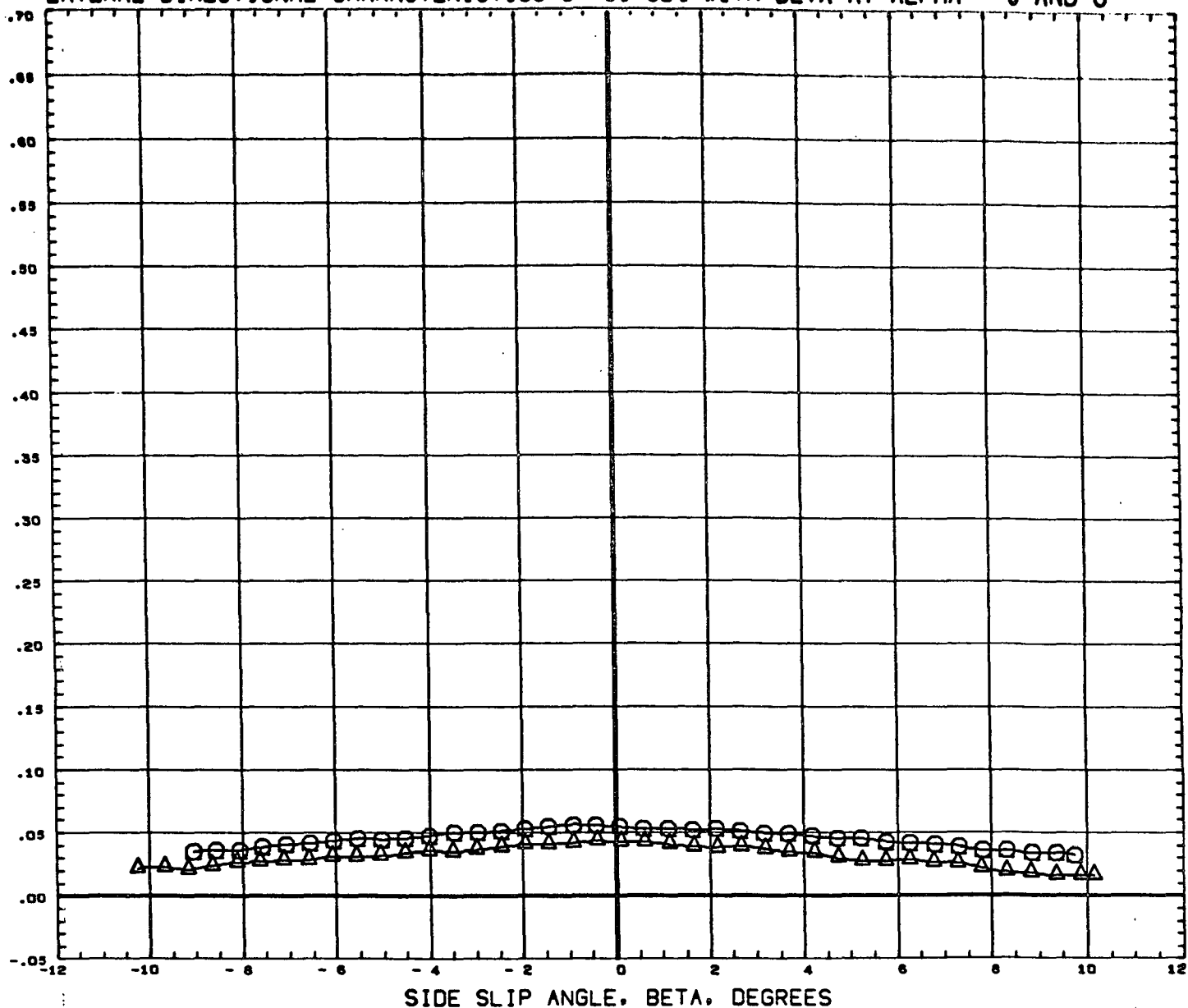
ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
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6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				YMRP	557.0004	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



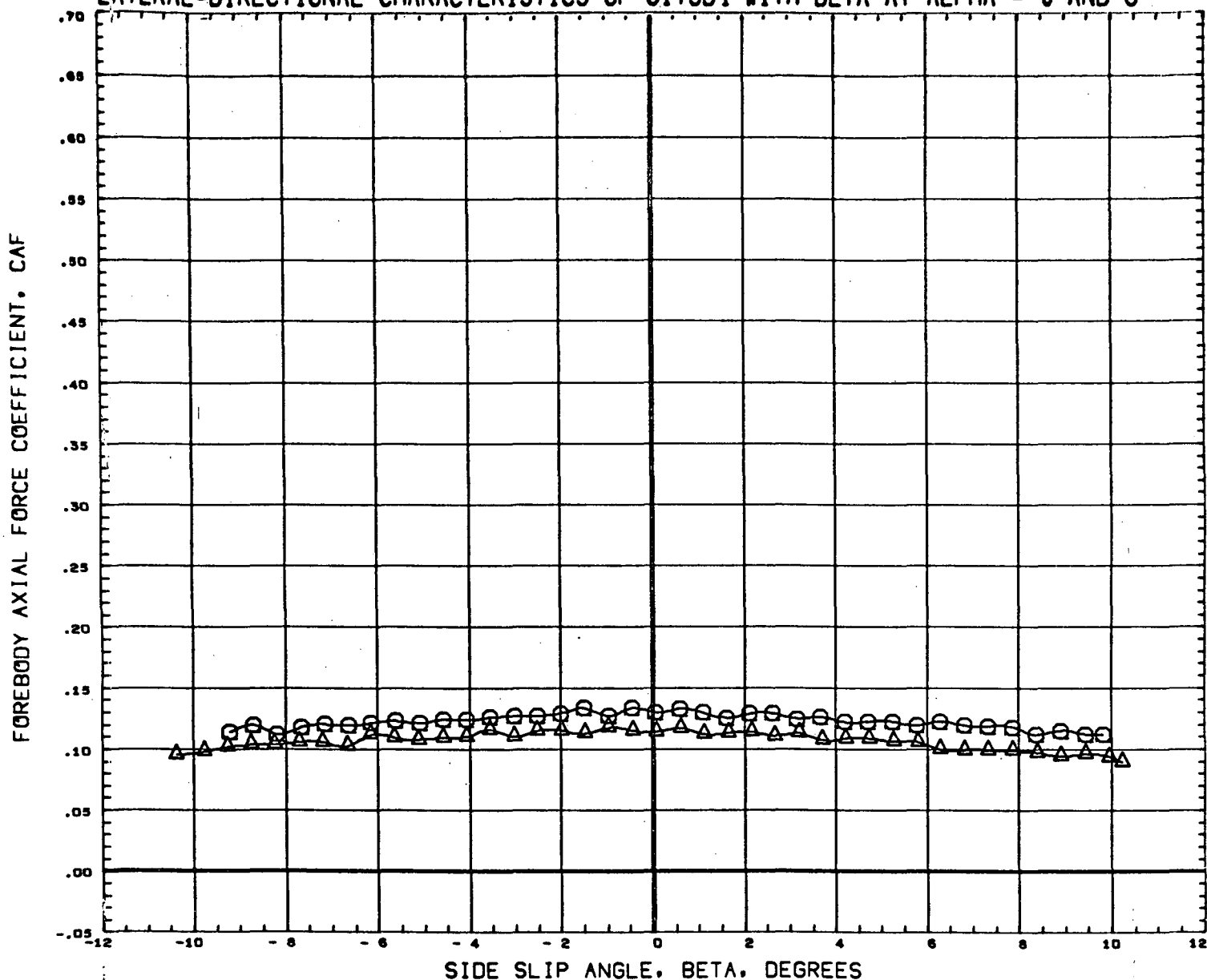
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

MACH .58

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LATERAL-DIRECTIONAL CHARACTERISTICS OF O1T3B4 WITH BETA AT ALPHA = 0 AND 6

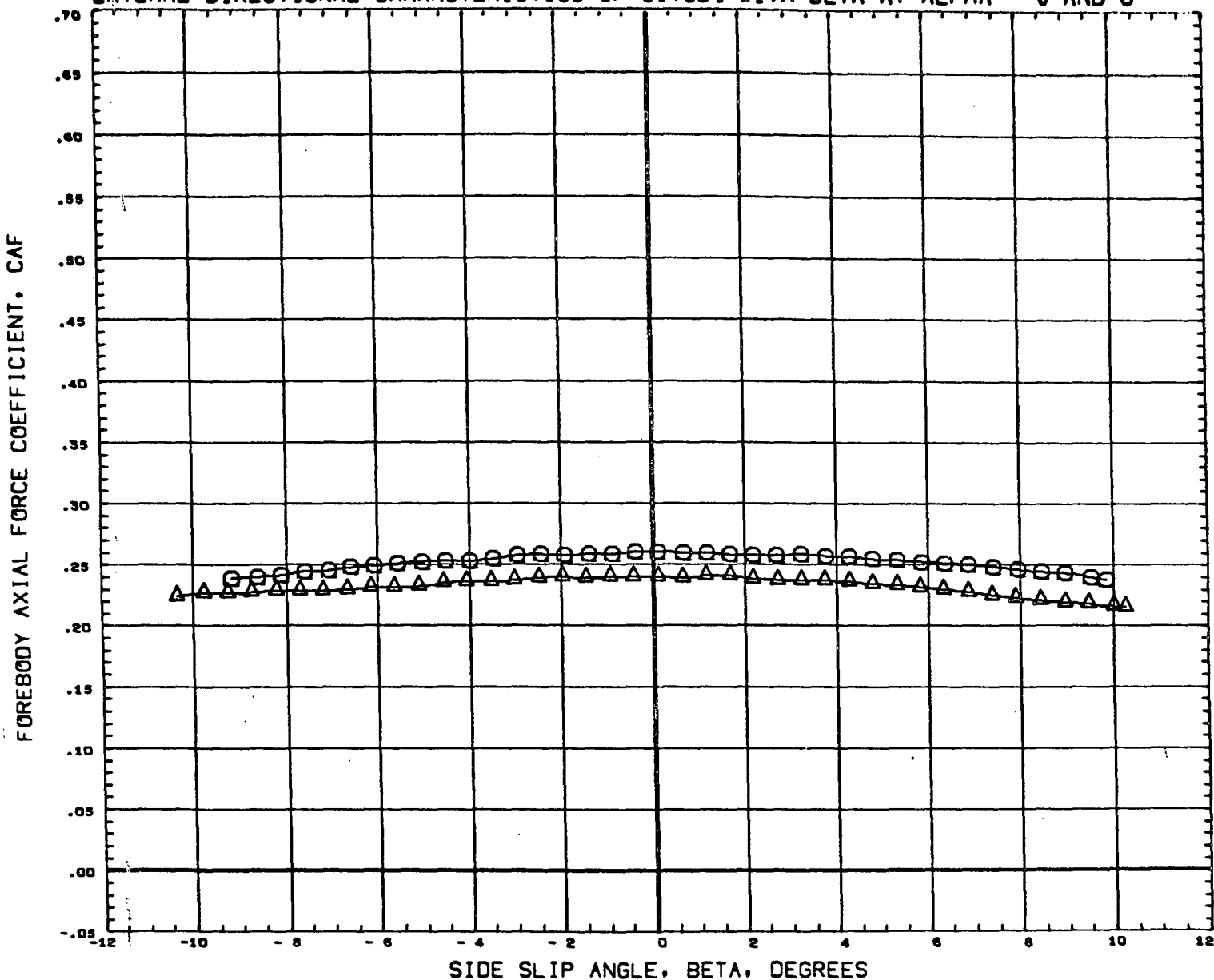


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
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(RD7523)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .89

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



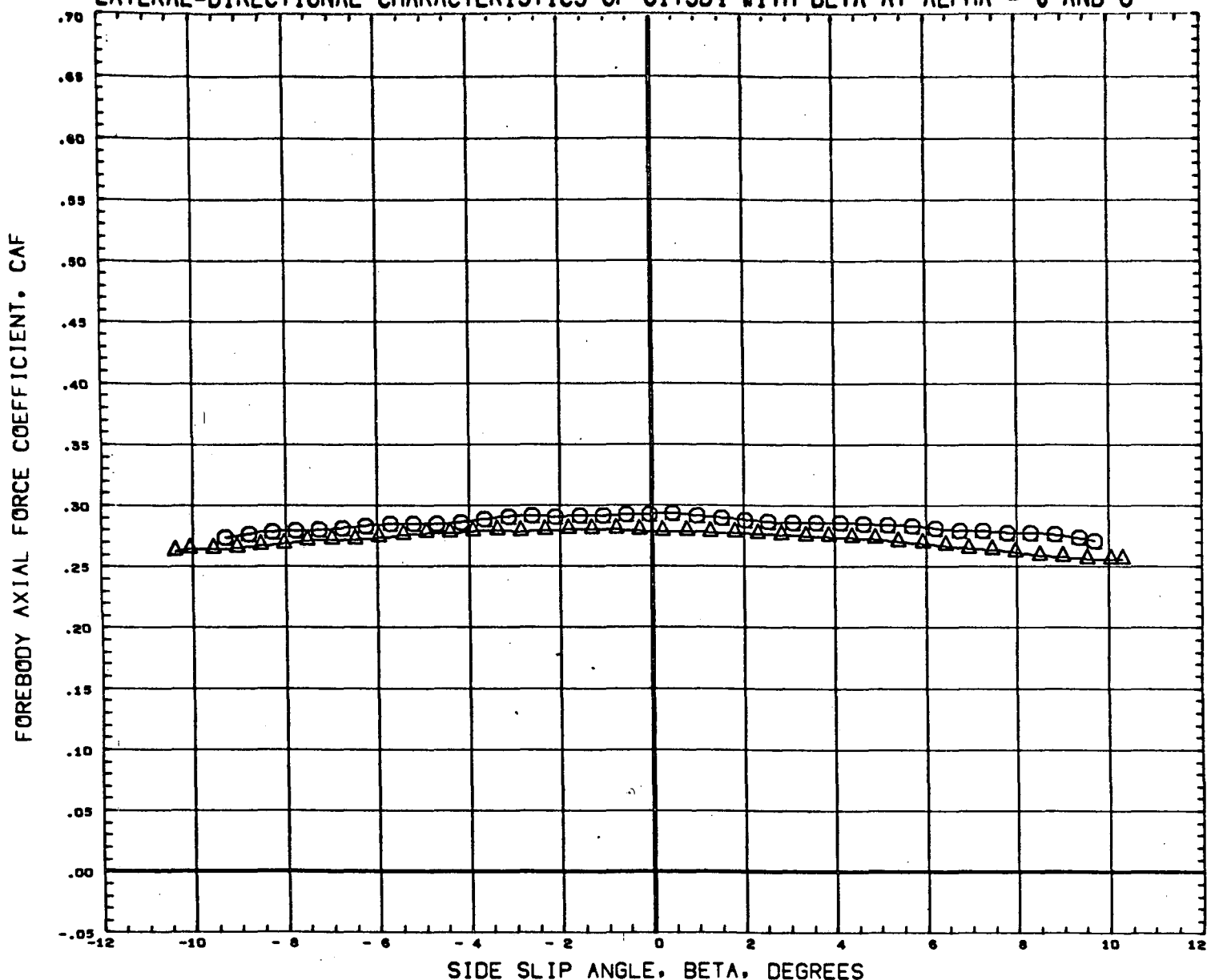
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7521) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



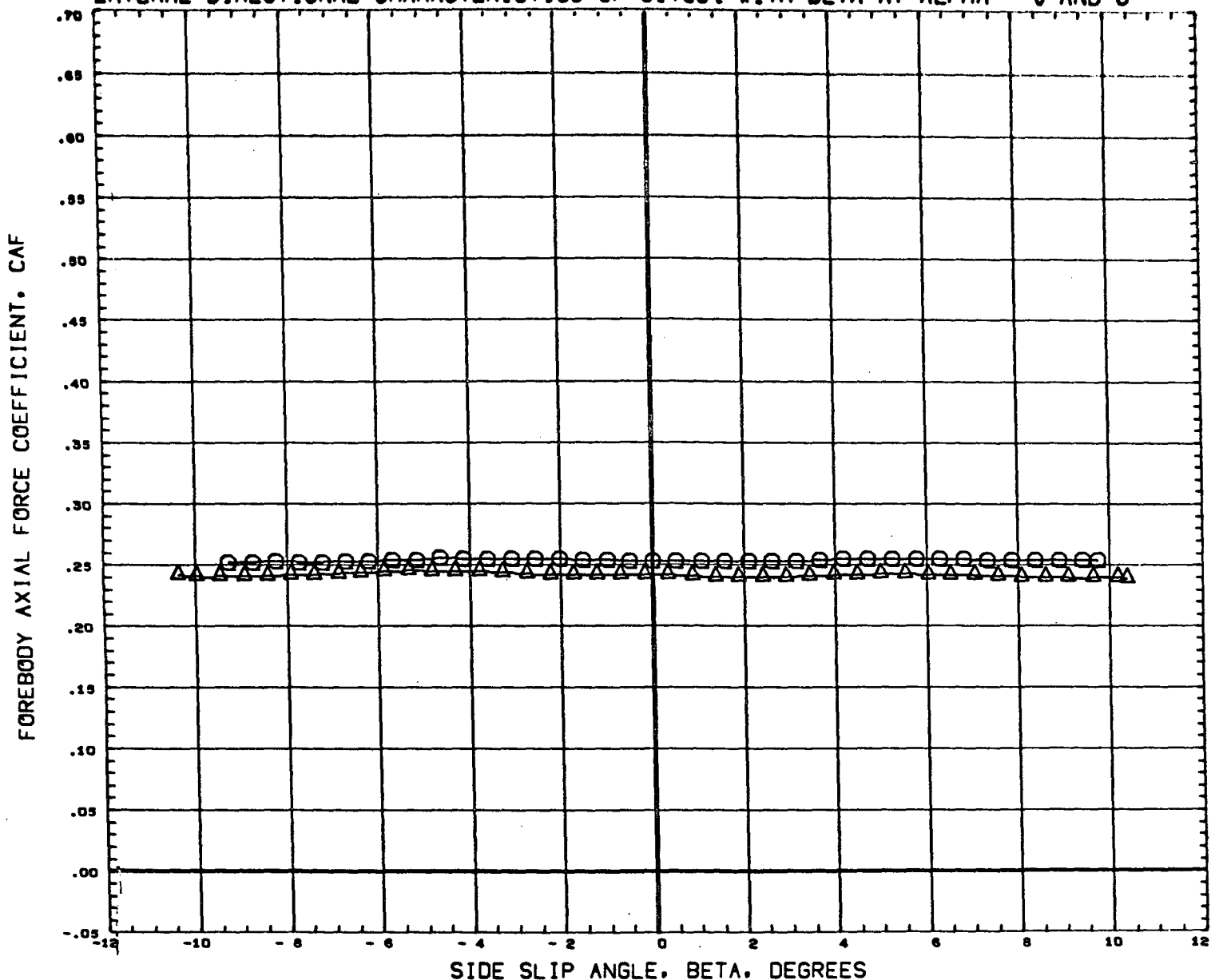
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7521) ○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7523) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4



ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T384 WITH BETA AT ALPHA = 0 AND 6



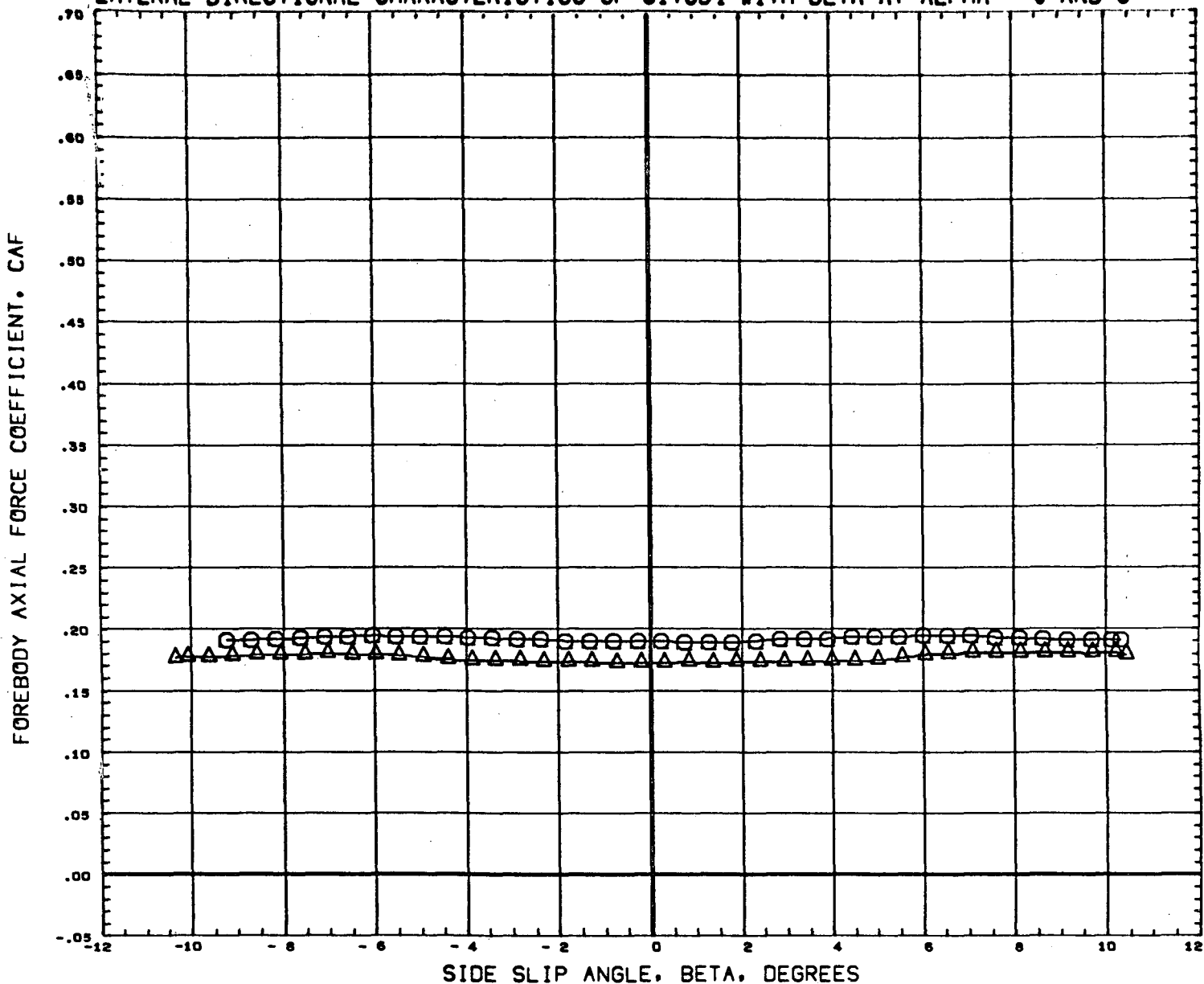
DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (RD7523)  MDAC S-222 COMPOSITE (T-CG) 01T384

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL CHARACTERISTICS OF 01T3B4 WITH BETA AT ALPHA = 0 AND 6



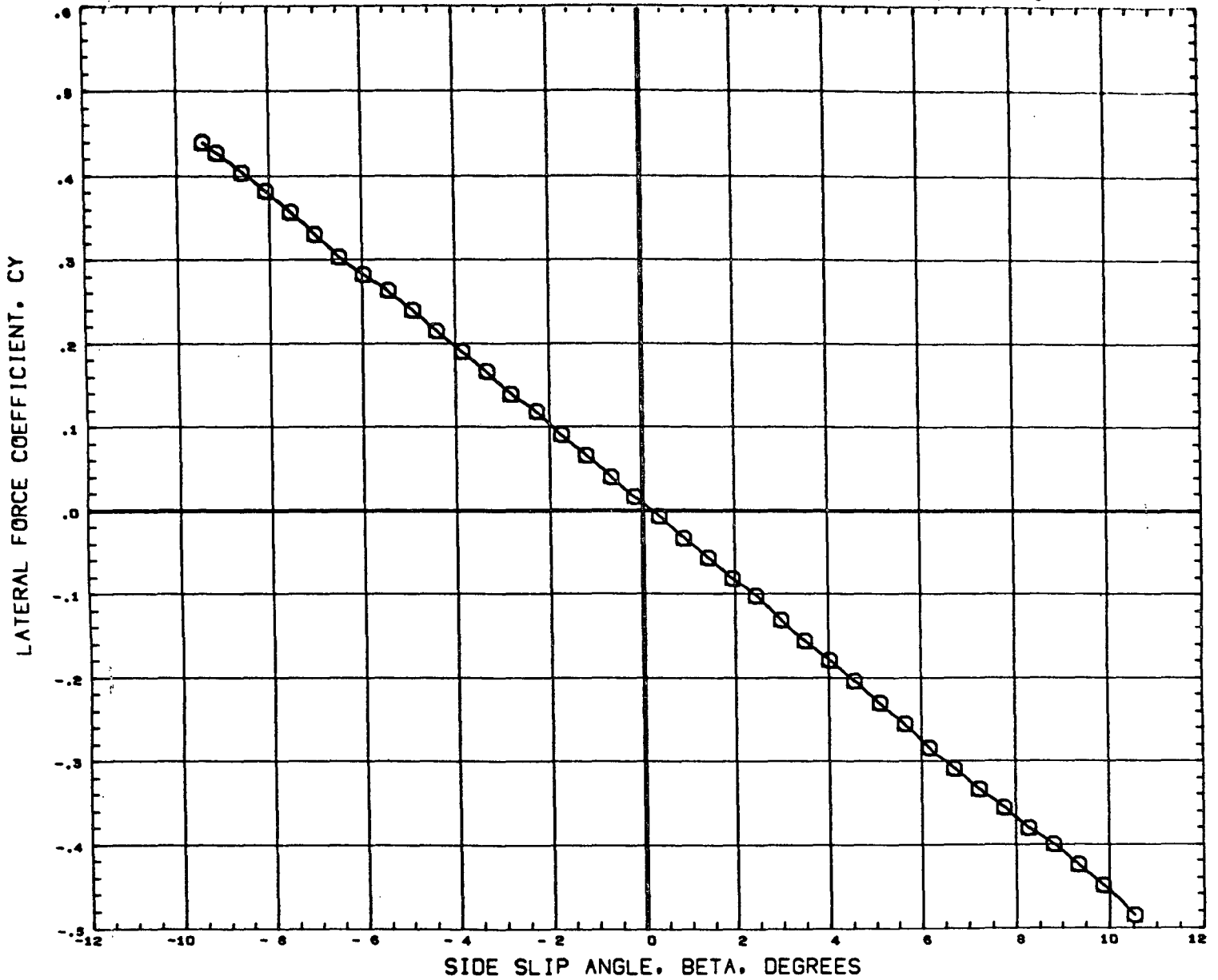
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(RD7523)	MDAC S-222 COMPOSITE(T-CG) 01T3B4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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0.7

LATERAL-DIRECTIONAL CHAR. OF CONFIG. (01)T3B4 WITH BETA AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7496) (01)T3B4

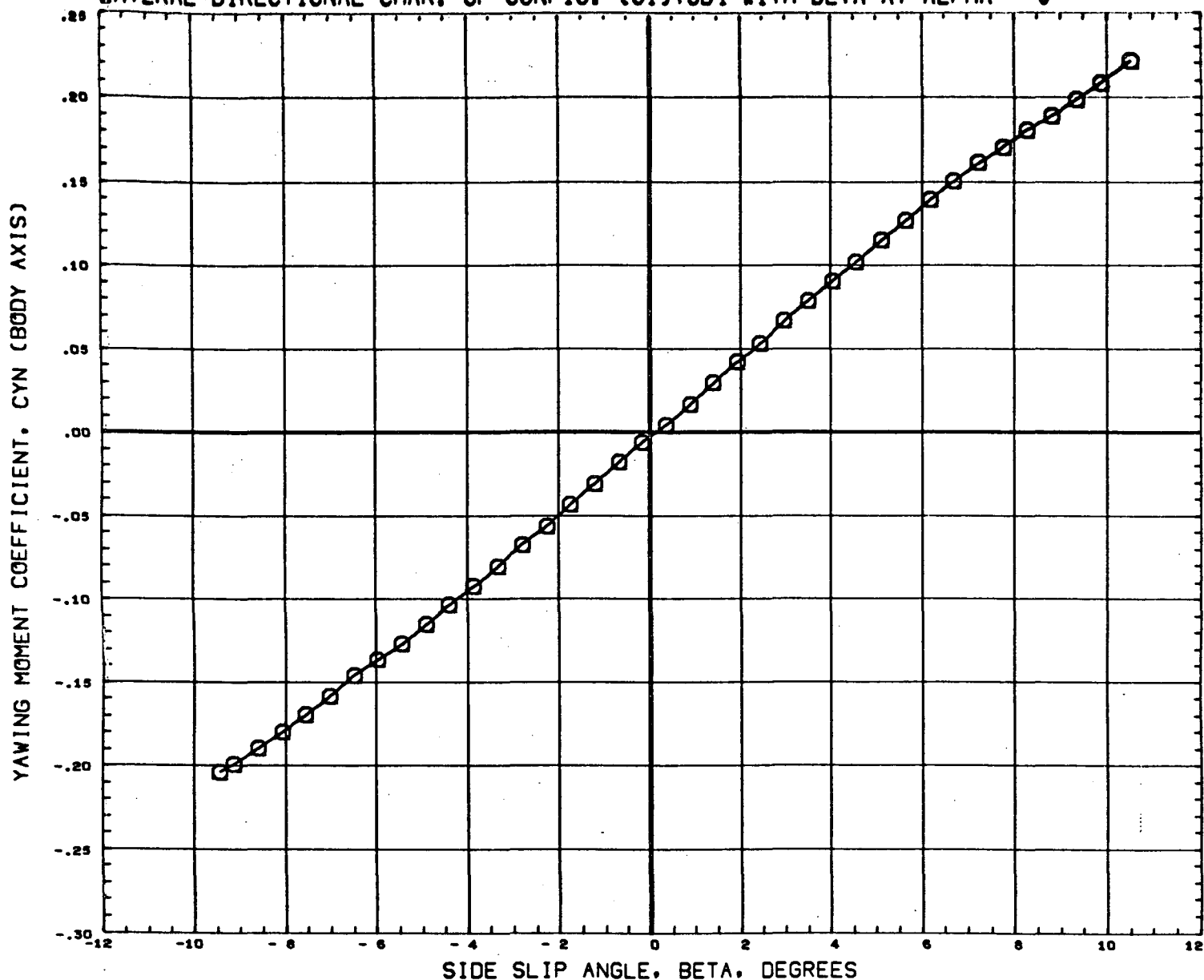
ALPHA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 682.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 1.51

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LATERAL-DIRECTIONAL CHAR. OF CONFIG. (01)T3B4 WITH BETA AT ALPHA = 0



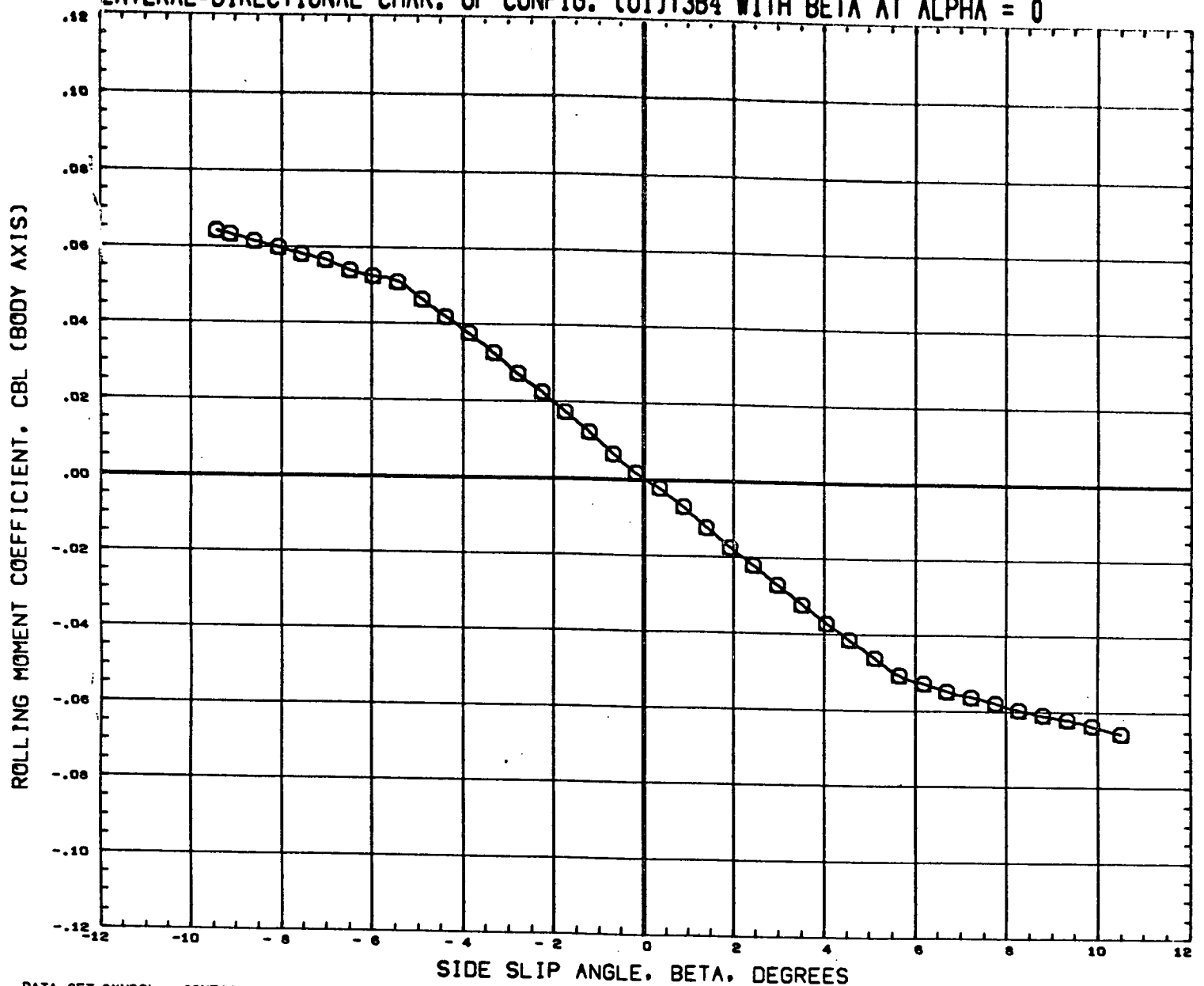
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ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
				LREF	609.5004 IN.
				BREF	882.0004 IN.
				YMRP	557.0004 IN.
				ZMRP	0.0000 IN.
				SCALE	200.0004 IN.
					0.0060

MACH 1.51

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LATERAL-DIRECTIONAL CHAR. OF CONFIG. (01)T3B4 WITH BETA AT ALPHA = 0



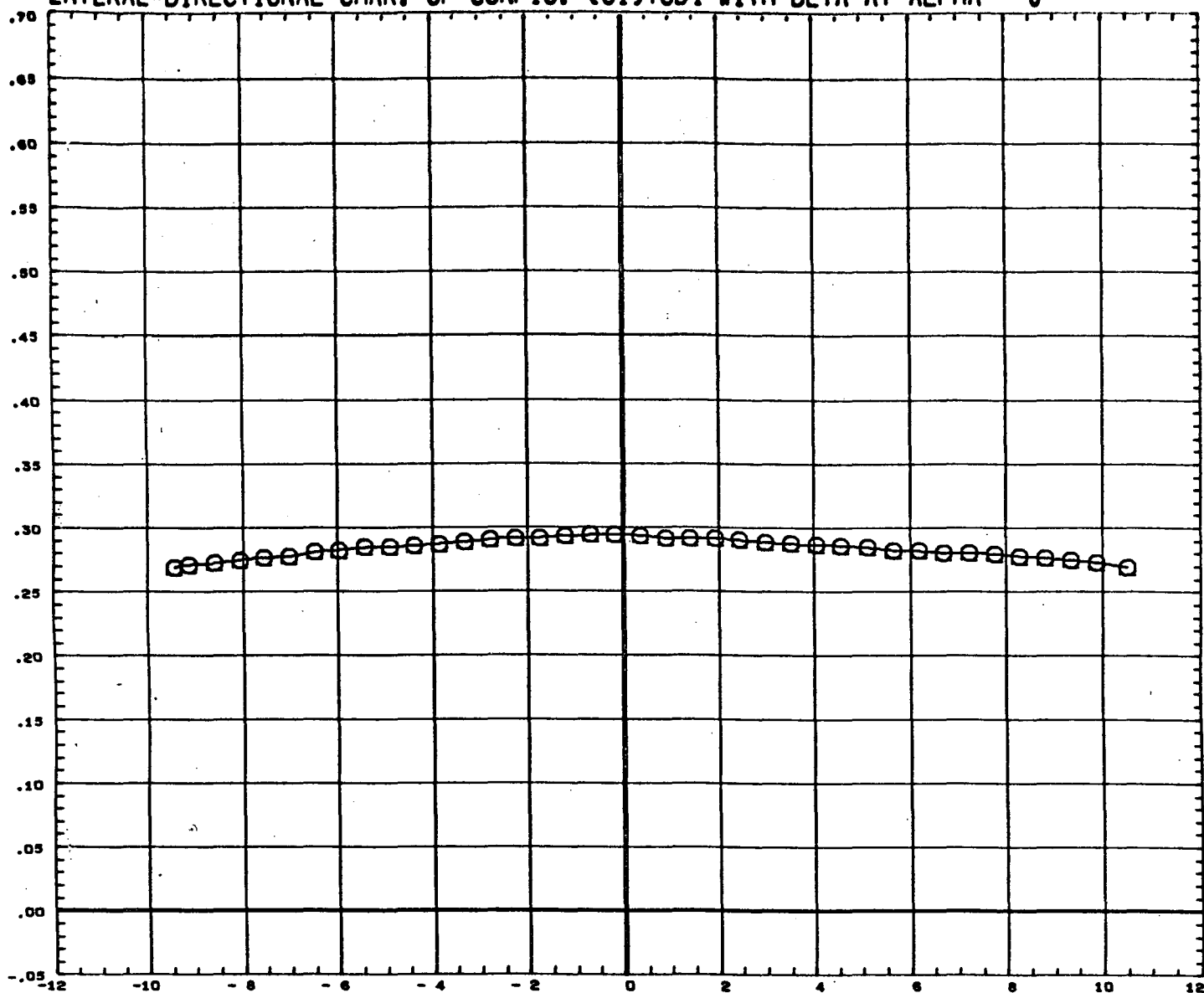
DATA SET SYMBOL (RD7496) ☐ CONFIGURATION DESCRIPTION MDAC S-222 COMPOSITE (T-CG) (01)T3B4

ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
				LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

LATERAL-DIRECTIONAL CHAR. OF CONFIG. (01)T3B4 WITH BETA AT ALPHA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



DATA SET SYMBOL (RD7496) ○ CONFIGURATION DESCRIPTION MDAC S-222 COMPOSITE (T-CG) (01)T3B4

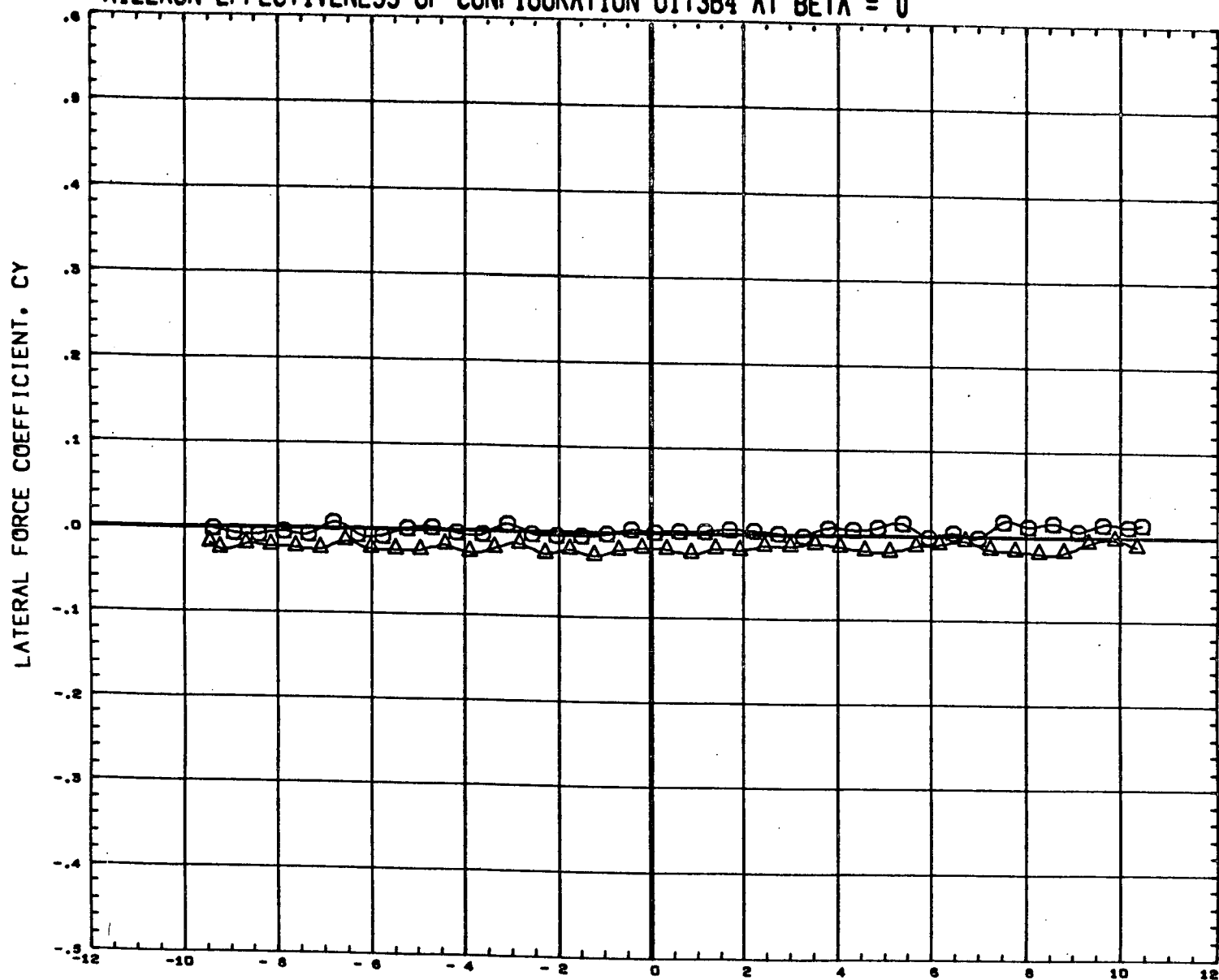
ALPHA 0.000 ELEVTR 0.000 ATLRON 0.000 RUDDER 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.51

PAGE 439

AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



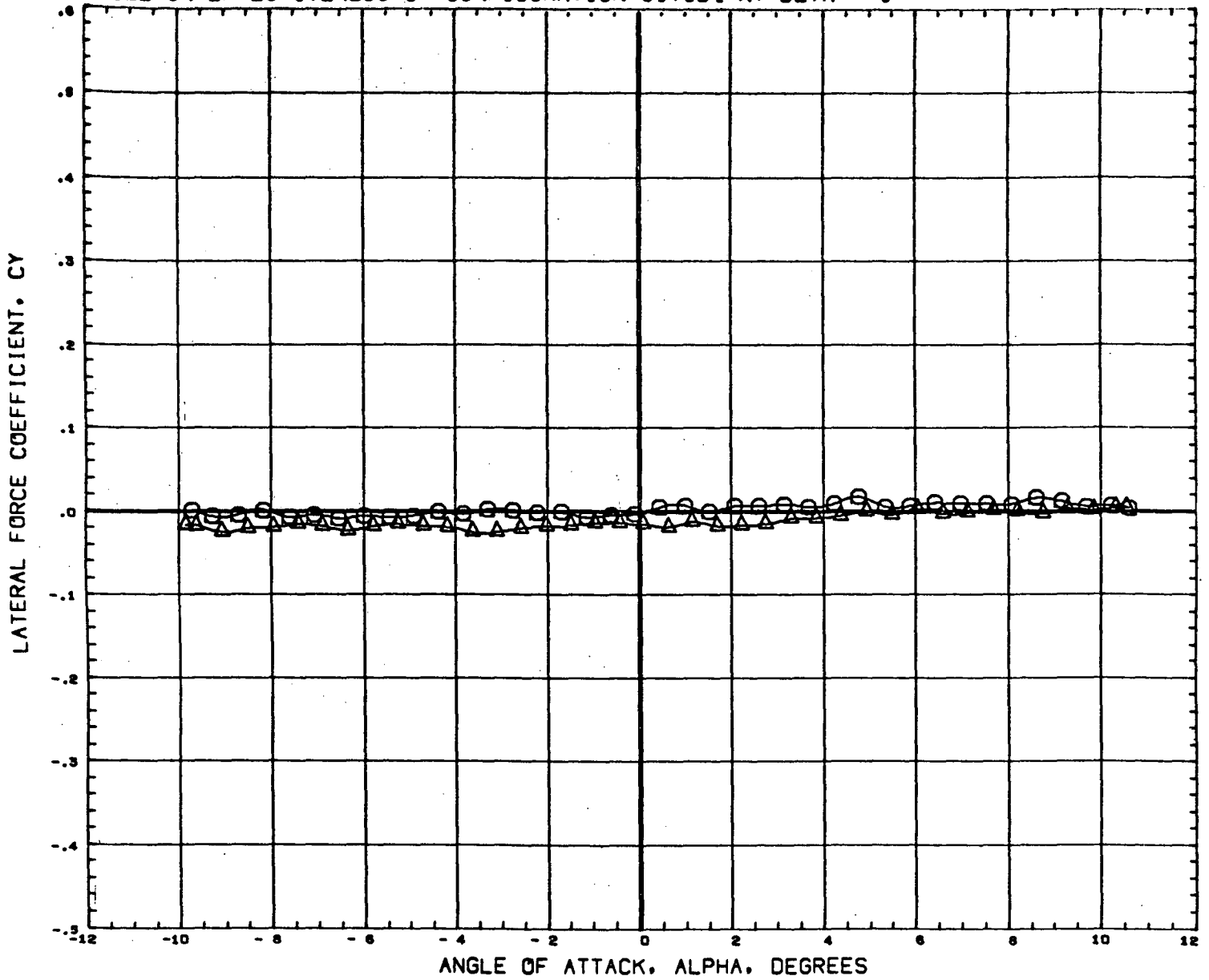
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7524) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

PAGE 440

AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



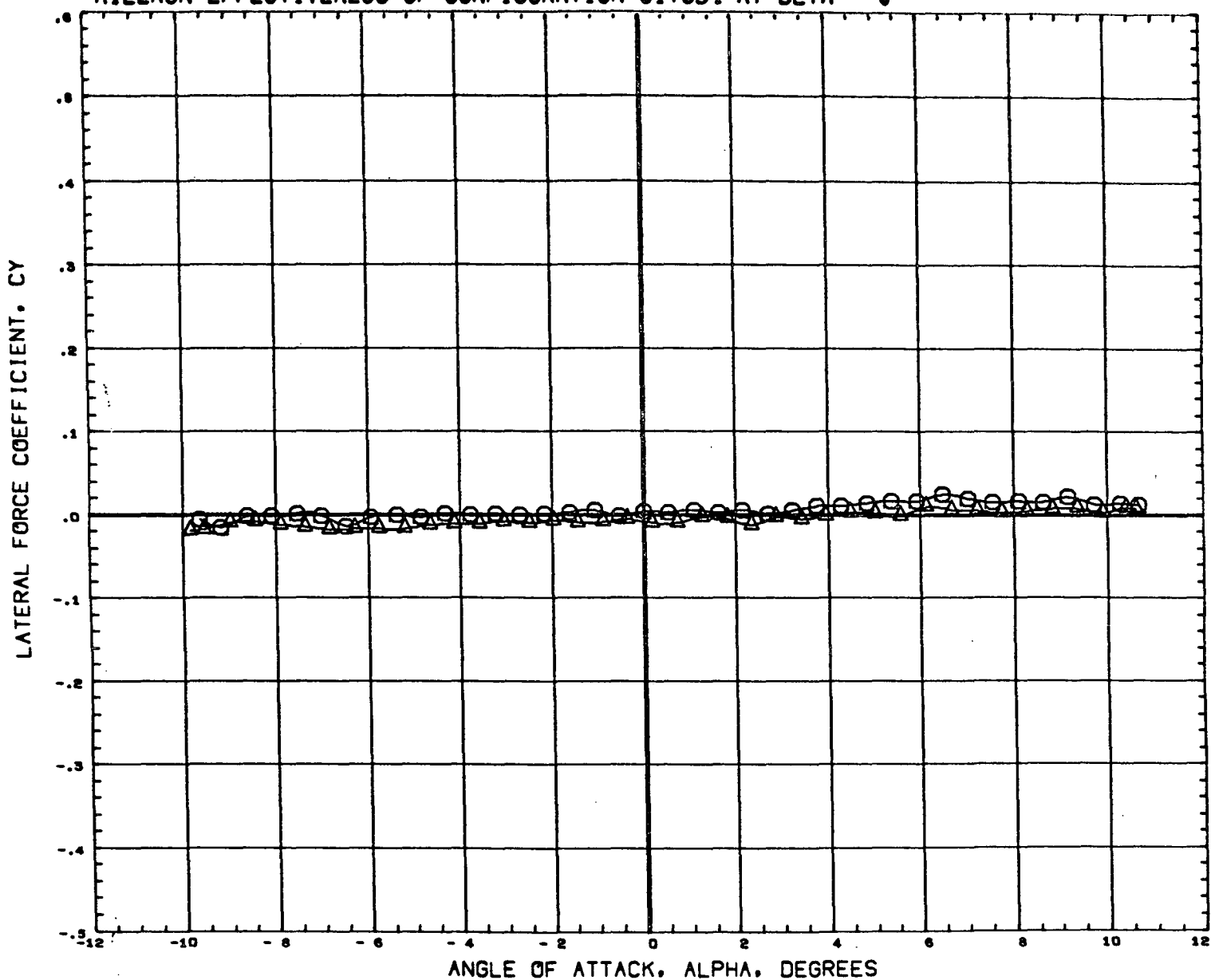
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520)  MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7524)  MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 441

AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



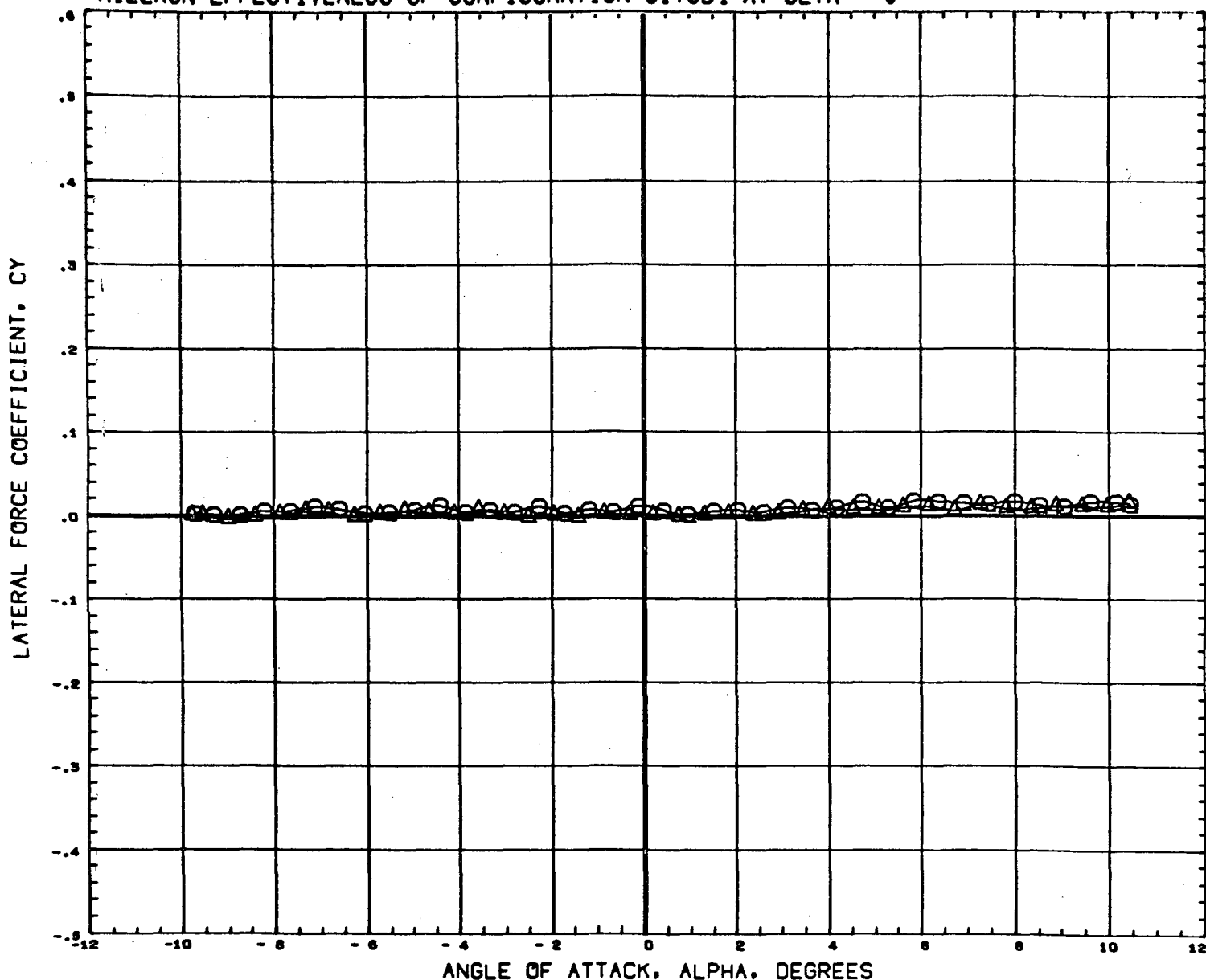
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) \bigcirc MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7524) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4



BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	662.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7520) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7524) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4

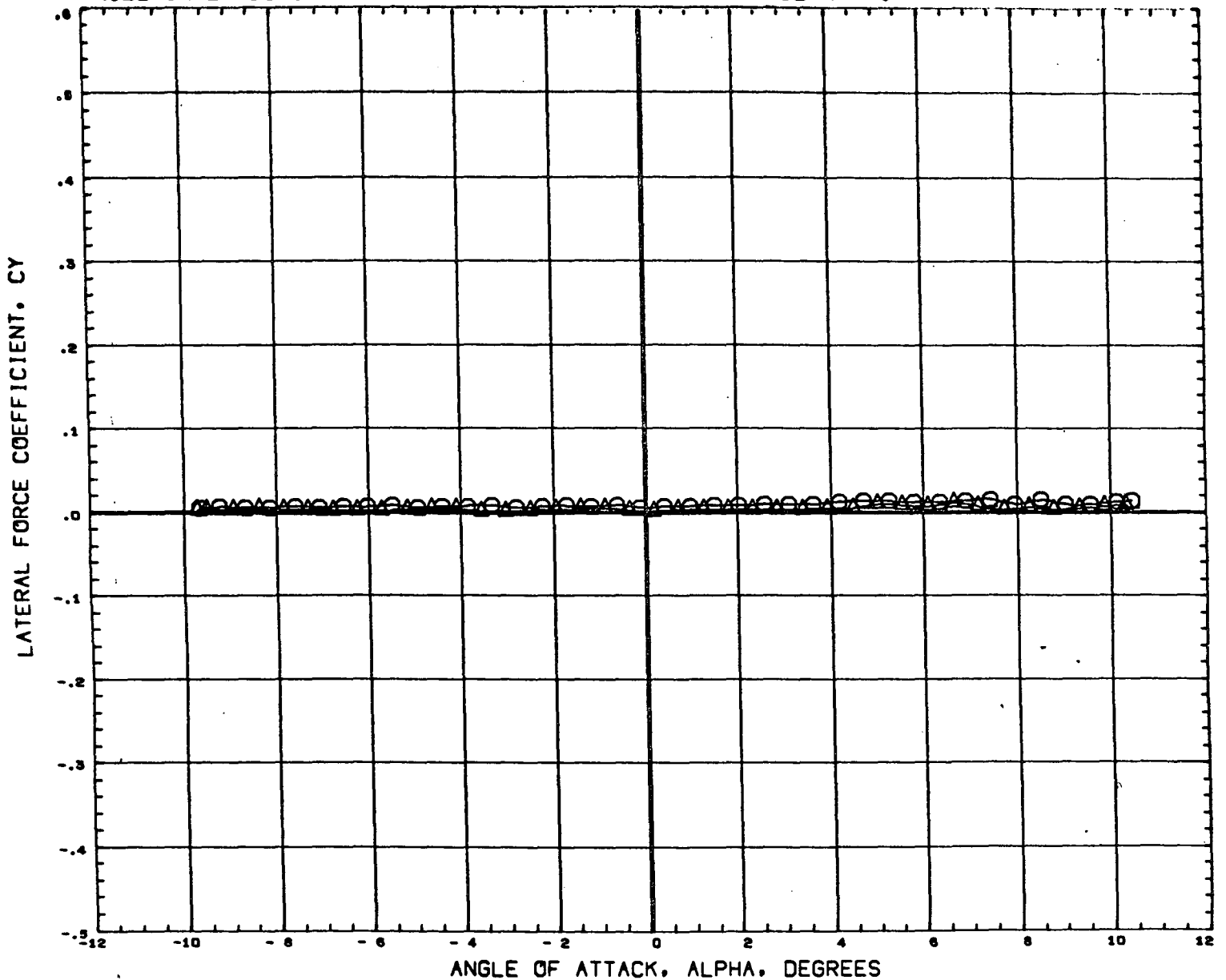
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

1.51

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

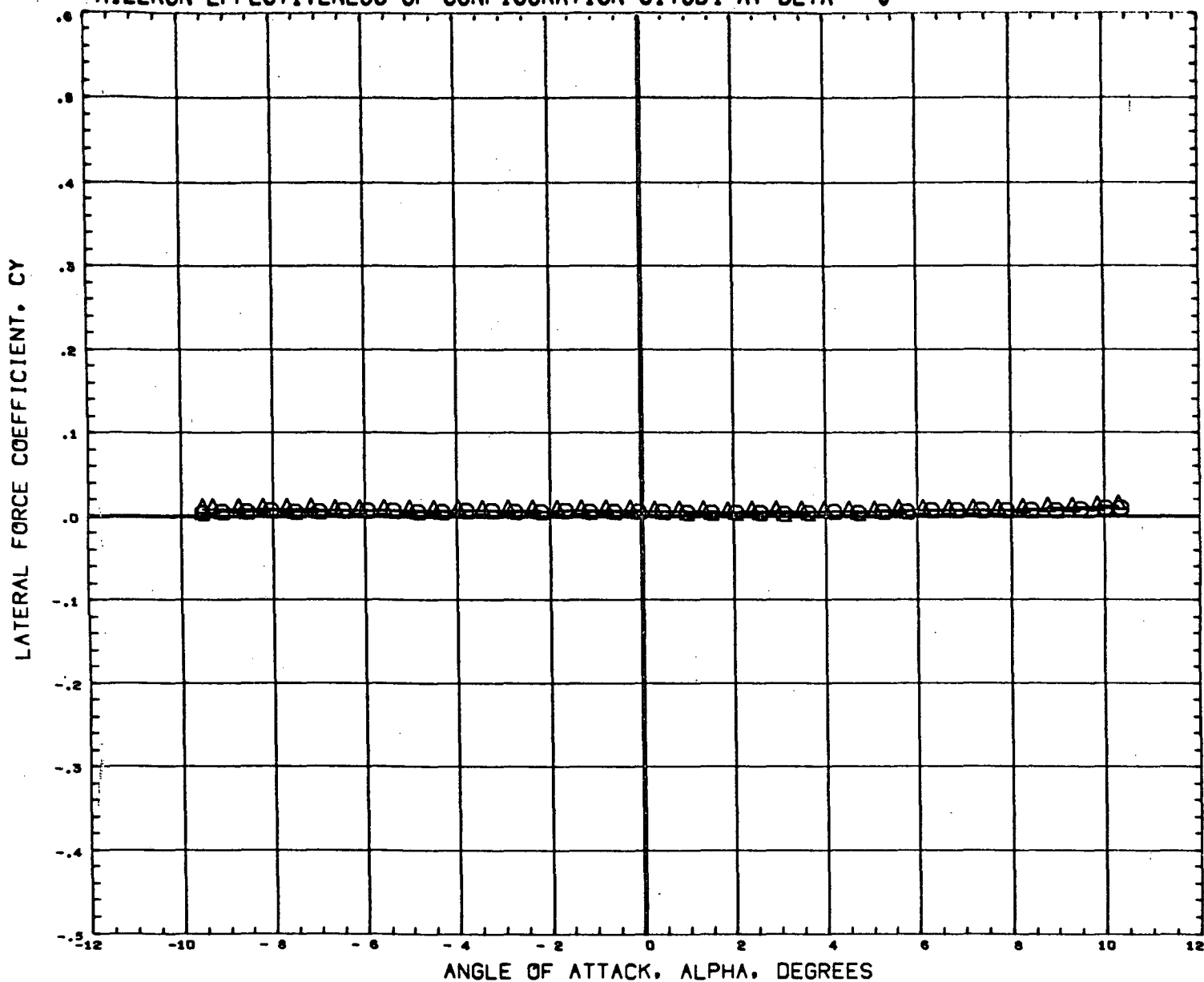


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7520)	MDAC S-222 COMPOSITE(T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7524)	MDAC S-222 COMPOSITE(T-CG) 01T3B4	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



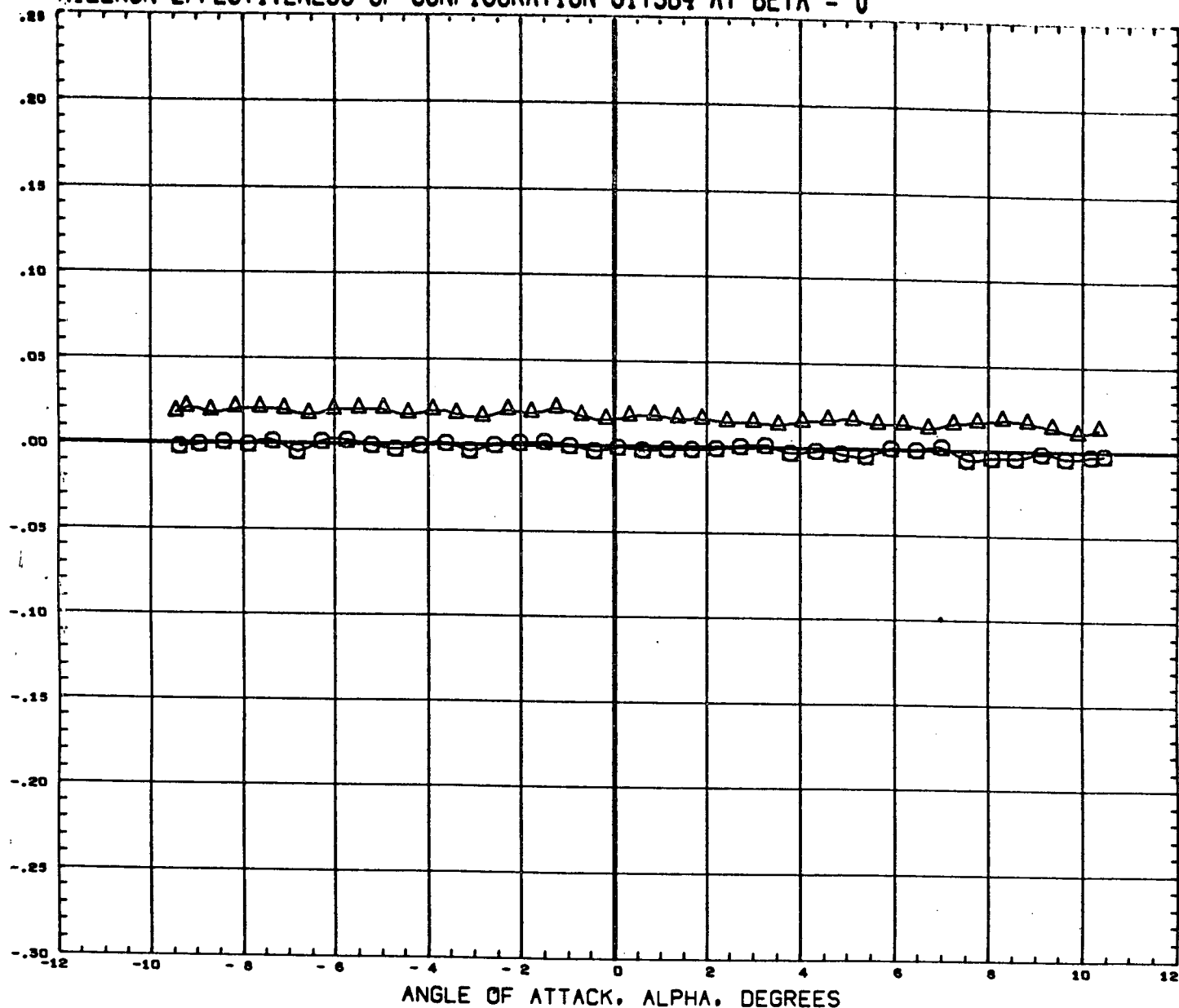
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7524)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7524) MDAC S-222 COMPOSITE (T-CG) 01T3B4

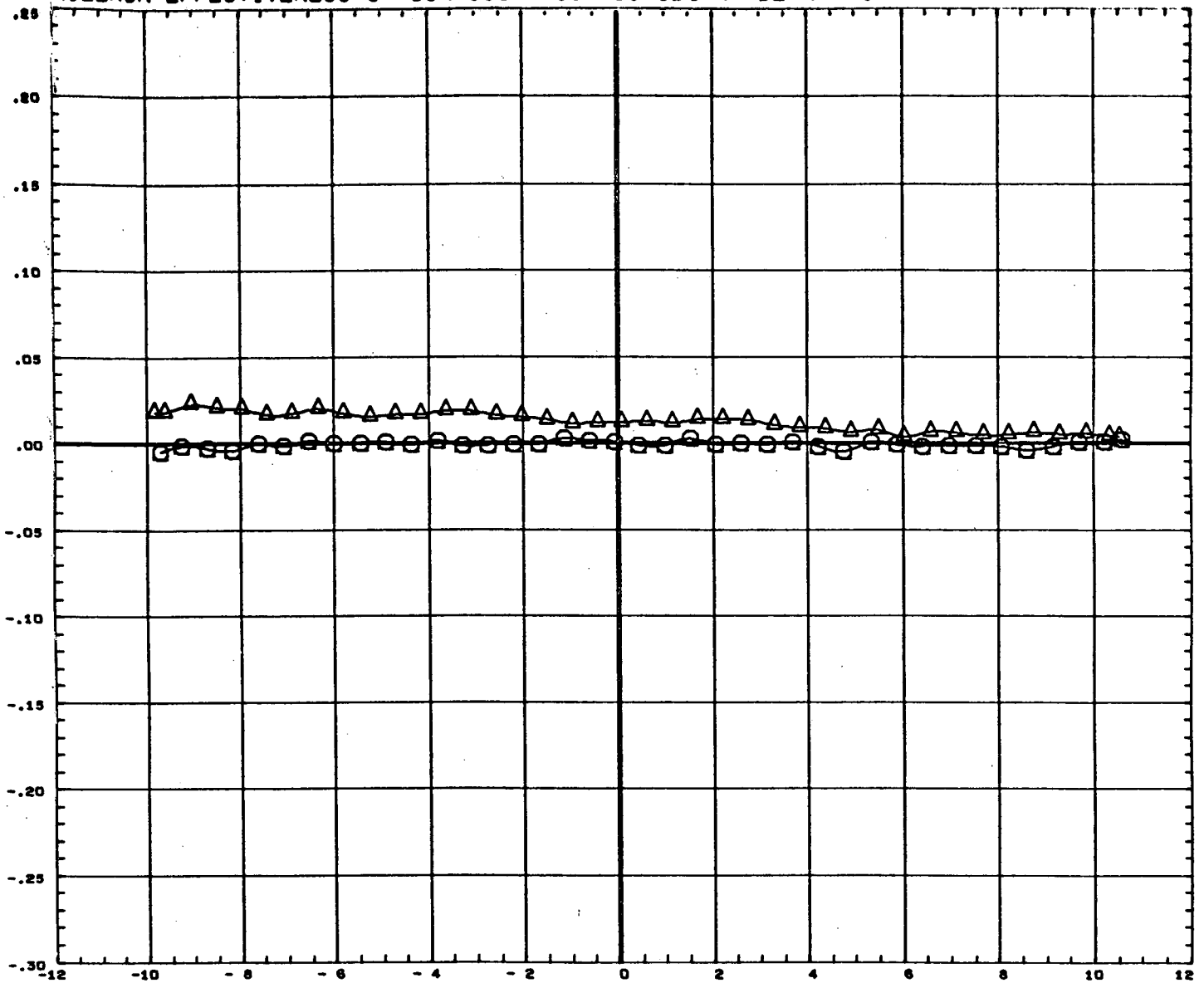
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

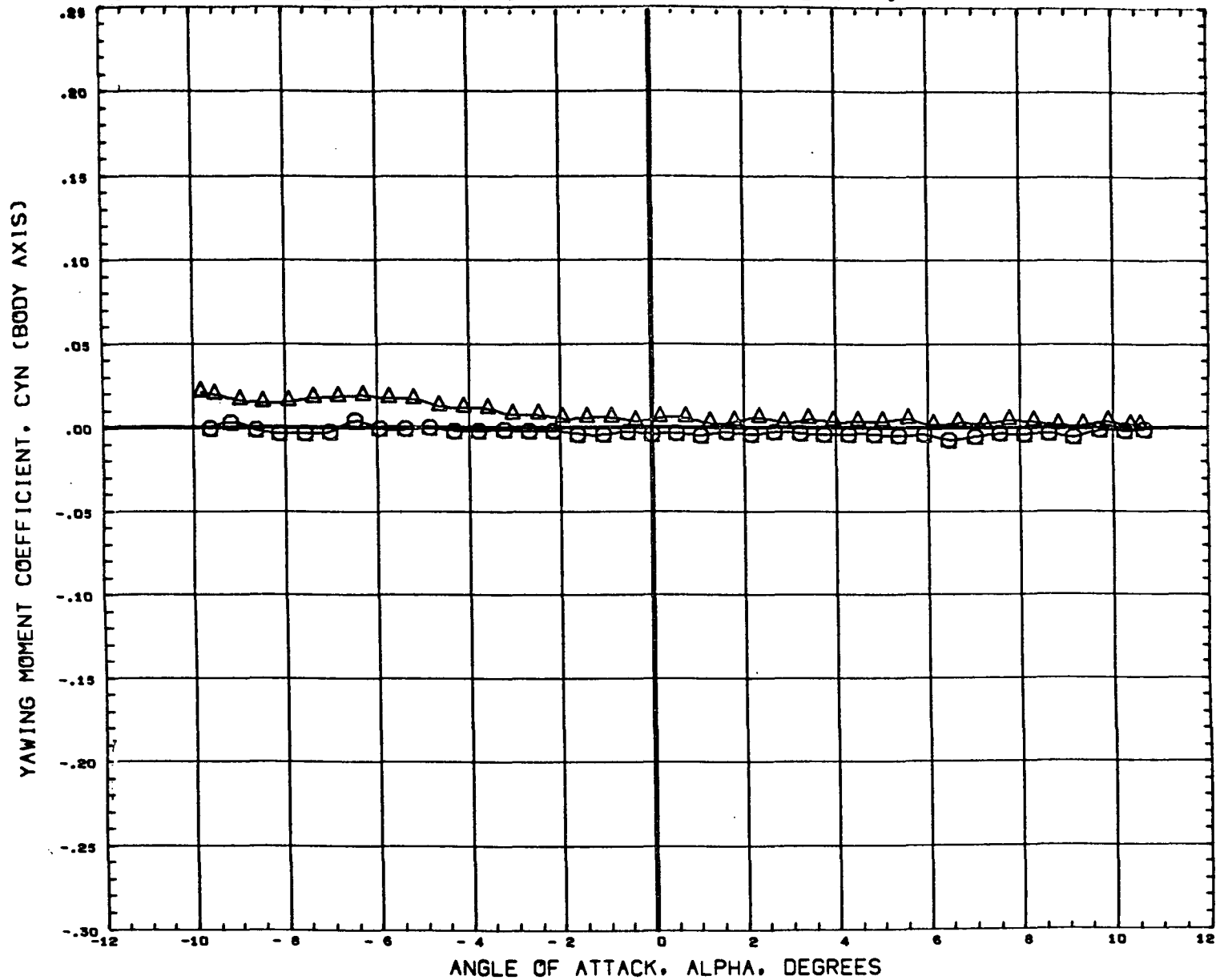
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7524)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF 609.5004 IN.
				BREF 862.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH .89

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

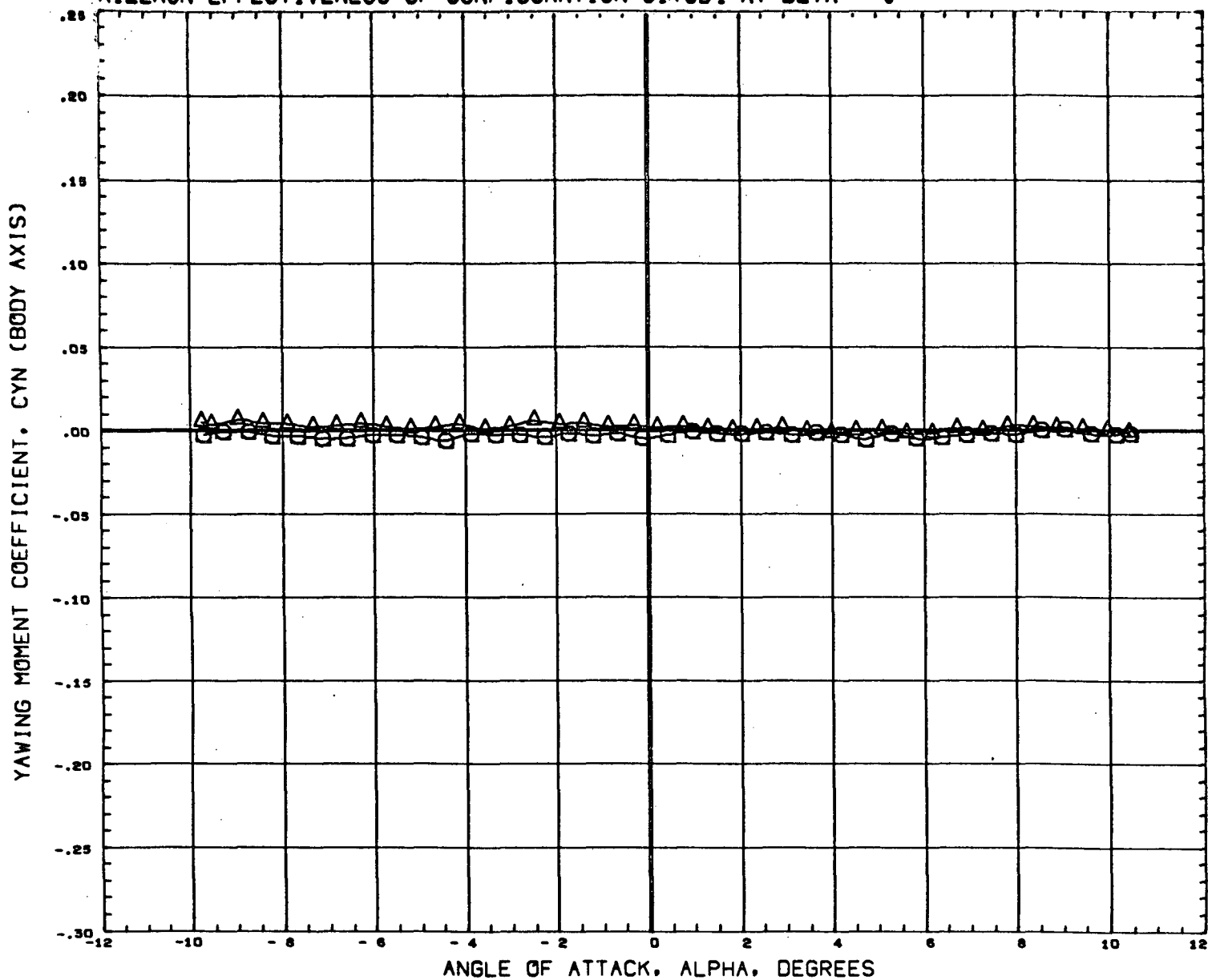




DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7524)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.08

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



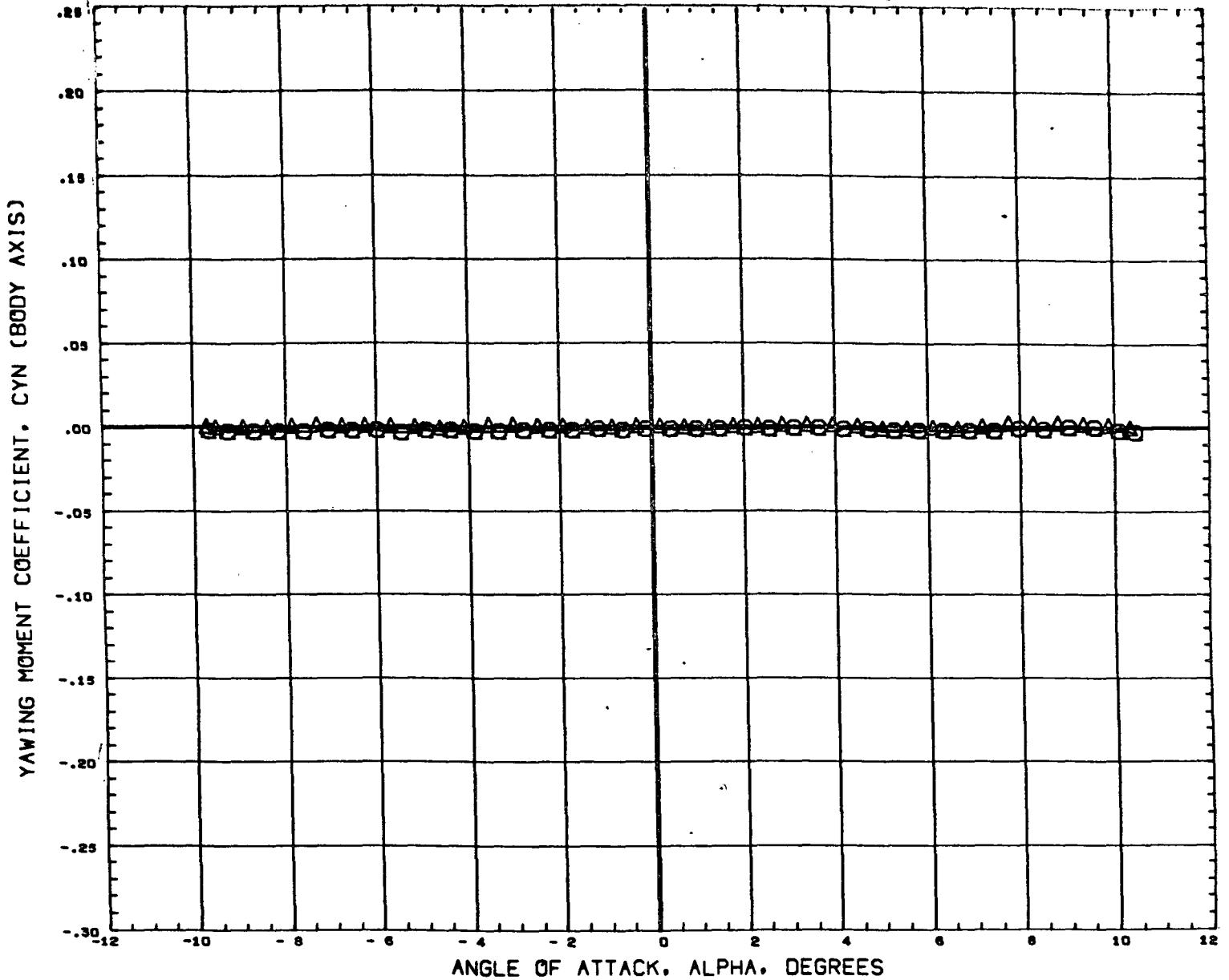
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7520) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7524) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.51

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

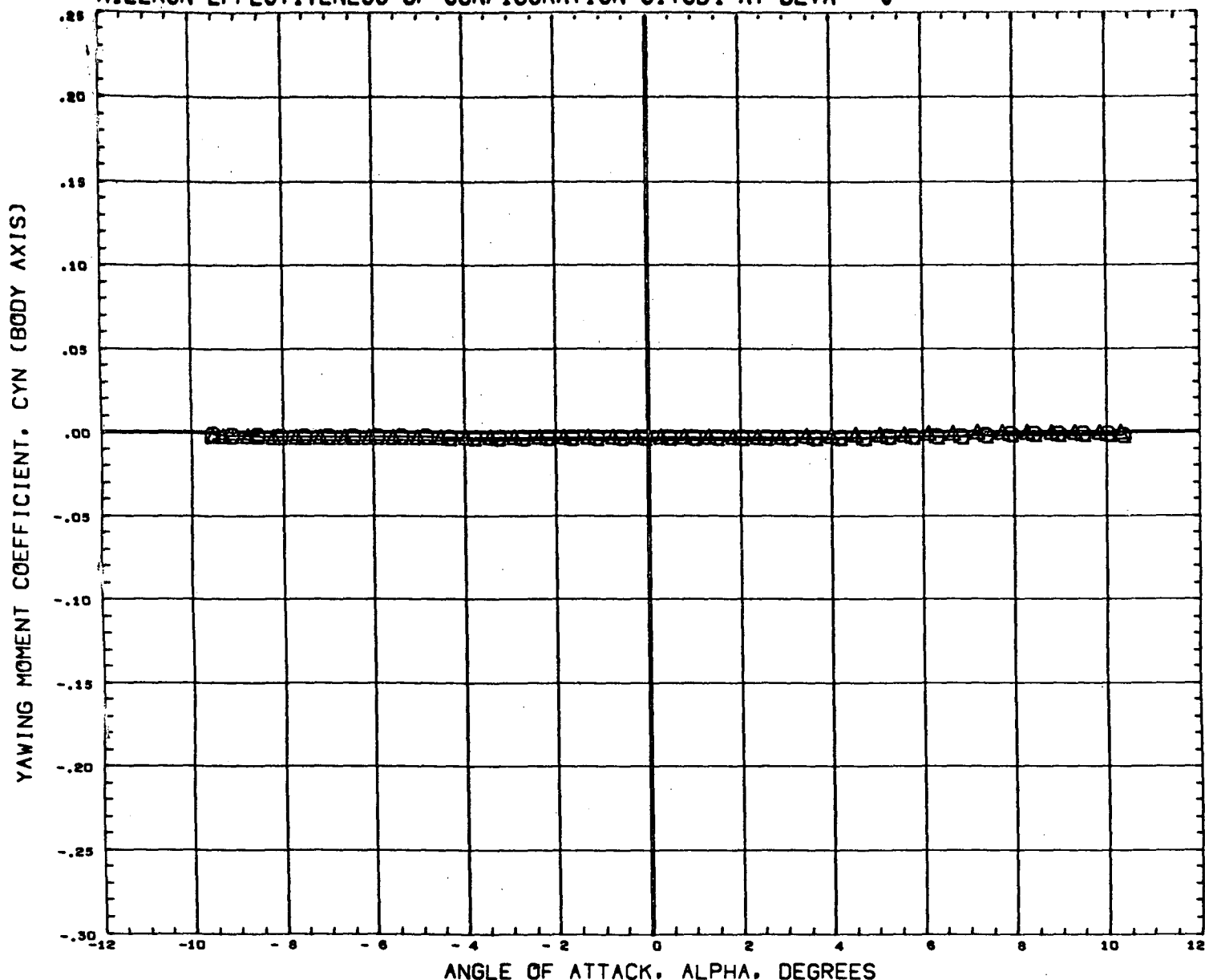




DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7524)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



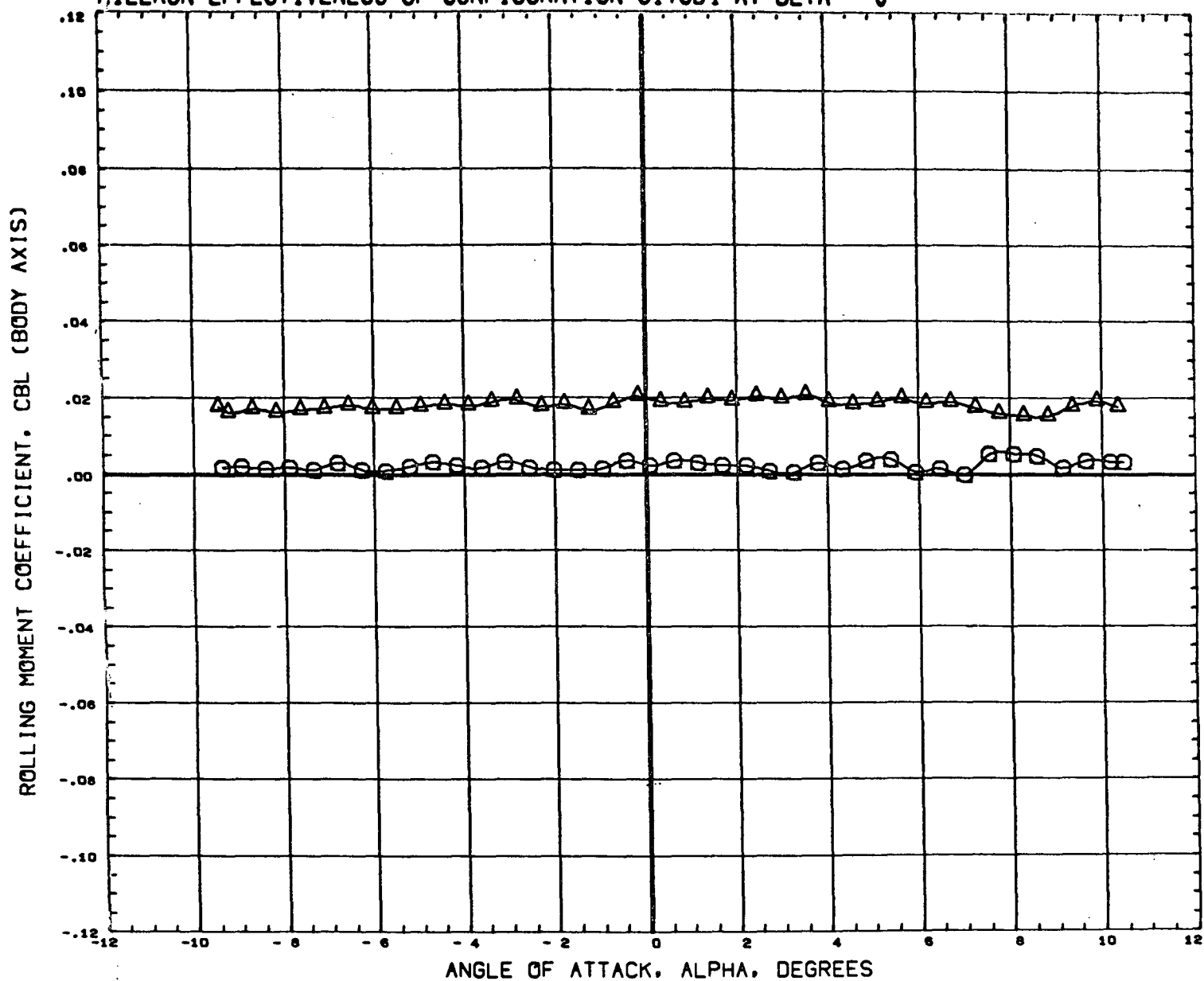
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520)  MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7524)  MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7524) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 20.000 0.000

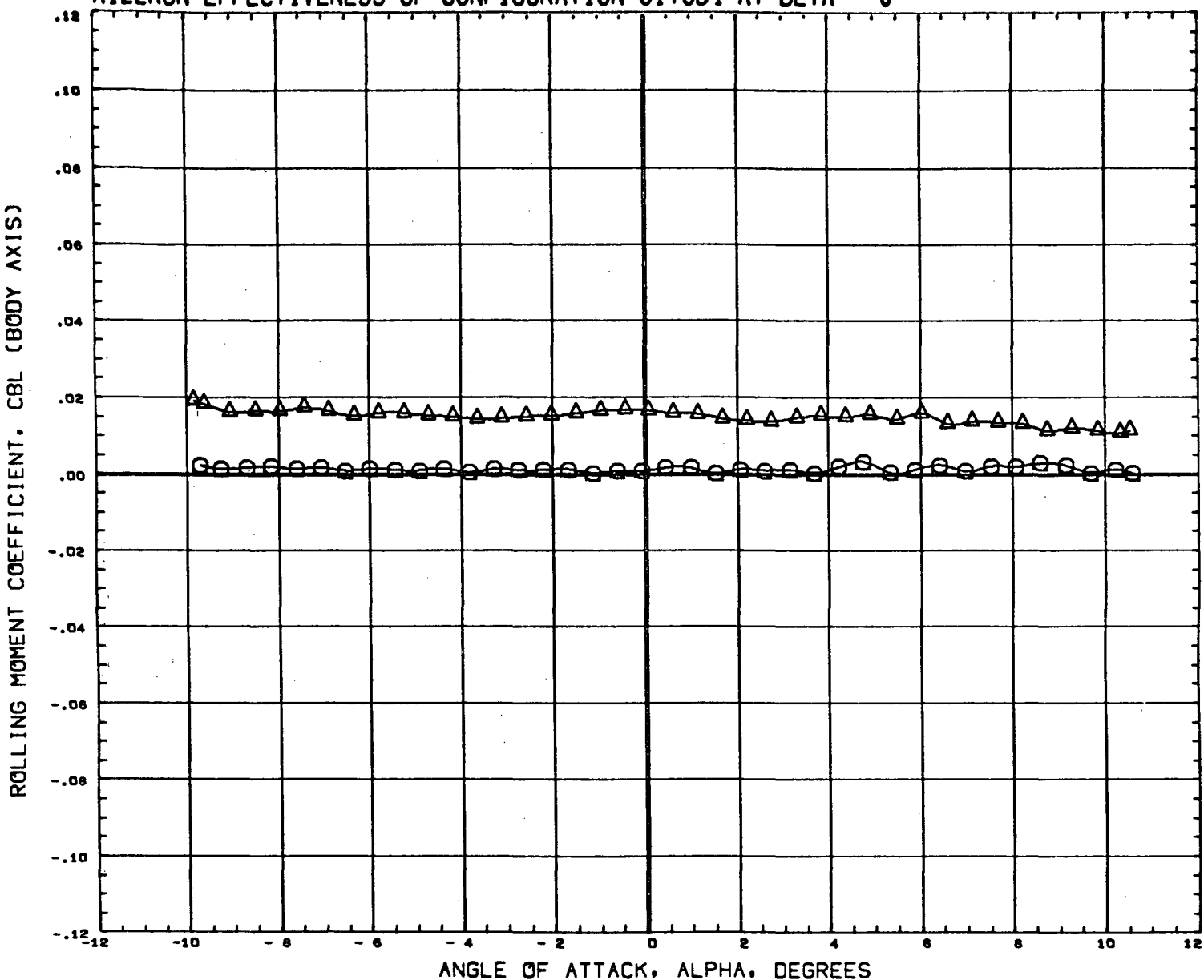
REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH

.58

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



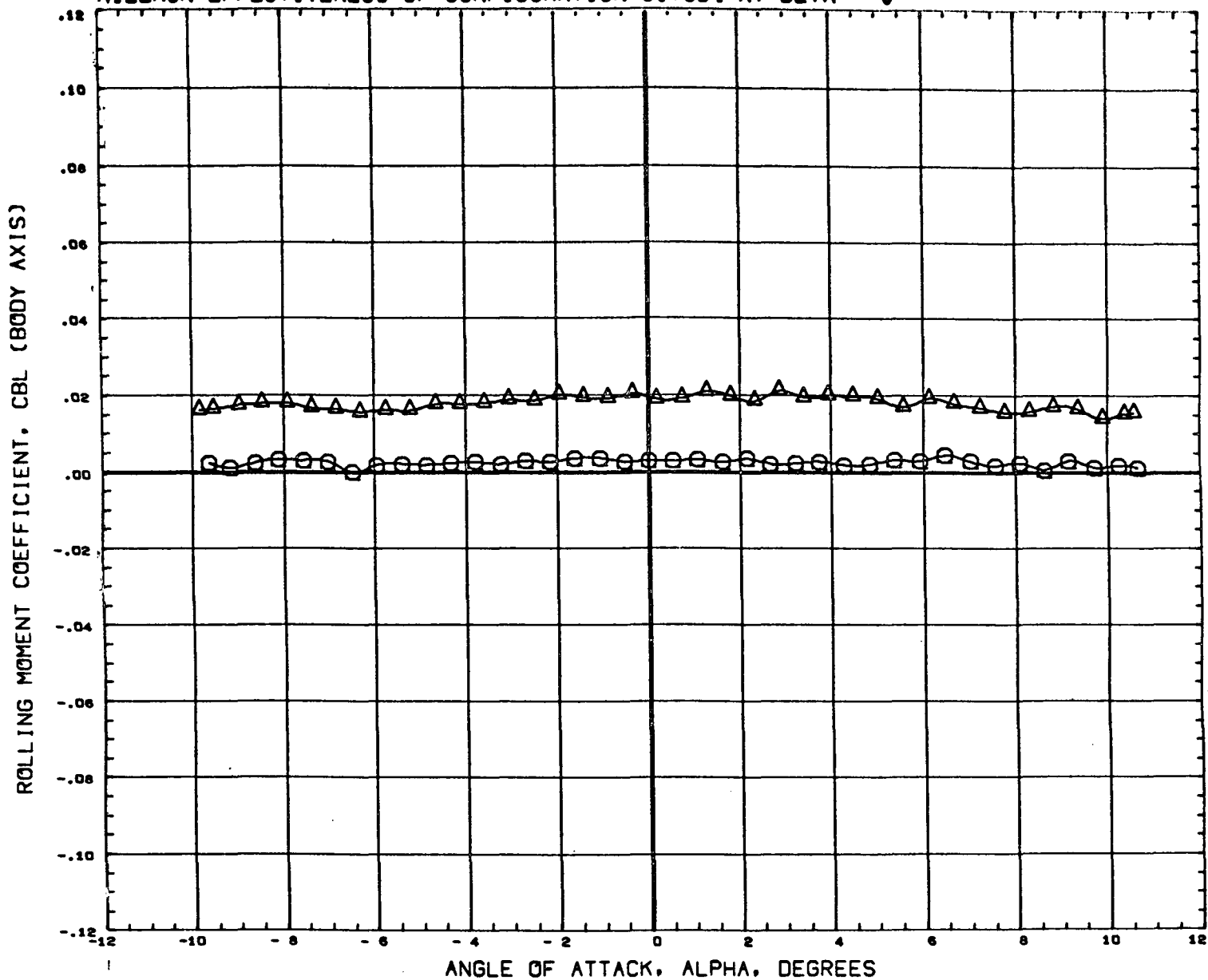
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7524) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRF 537.0004 IN.
				YMRF 0.0000 IN.
				ZMRF 200.0004 IN.
				SCALE 0.0060

MACH .89

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7524) MDAC S-222 COMPOSITE (T-CG) 01T3B4

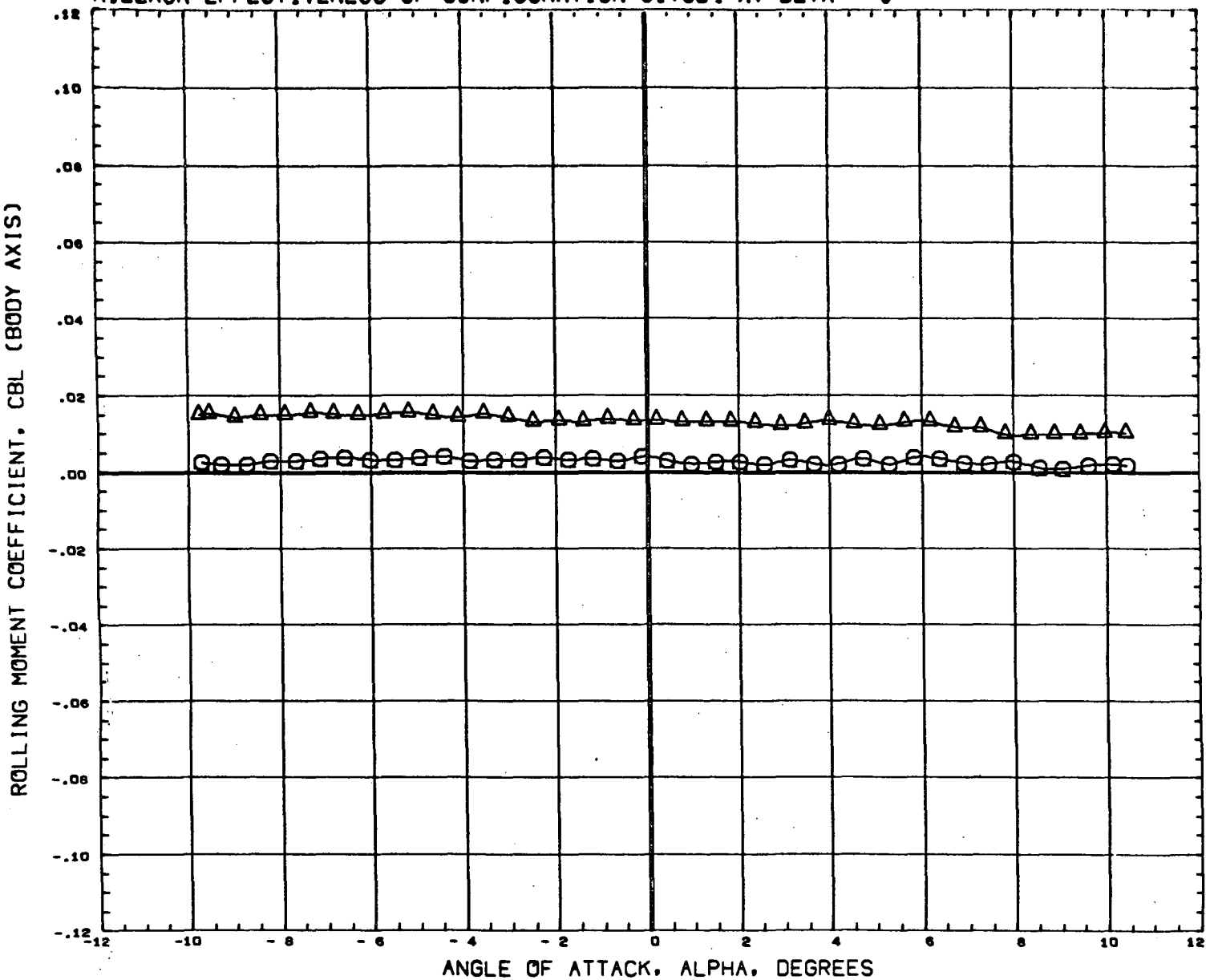
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 20.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.08

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



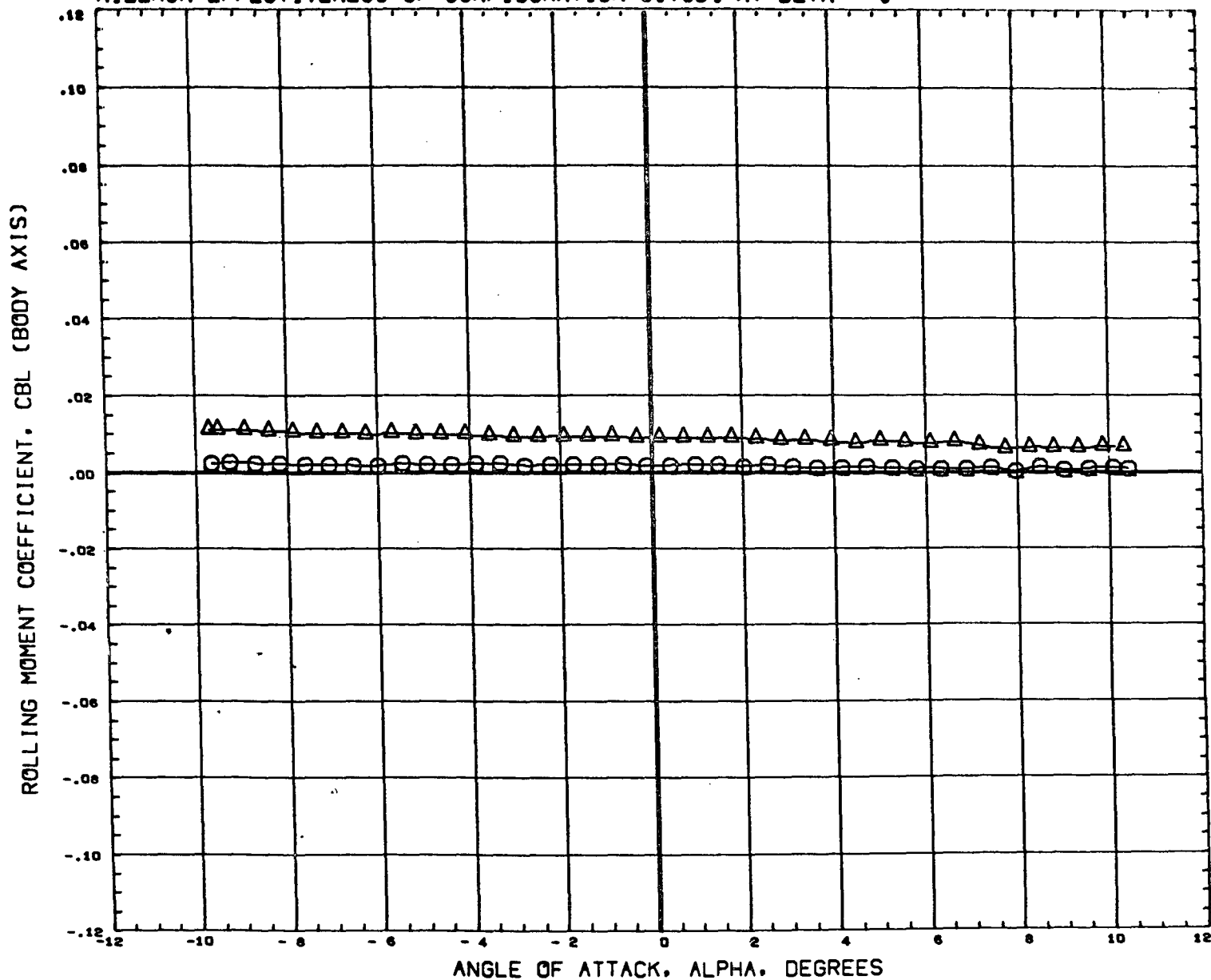
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE(T-CG) 01T3B4
 (RD7524) MDAC S-222 COMPOSITE(T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	537.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7524) MDAC S-222 COMPOSITE (T-CG) 01T3B4

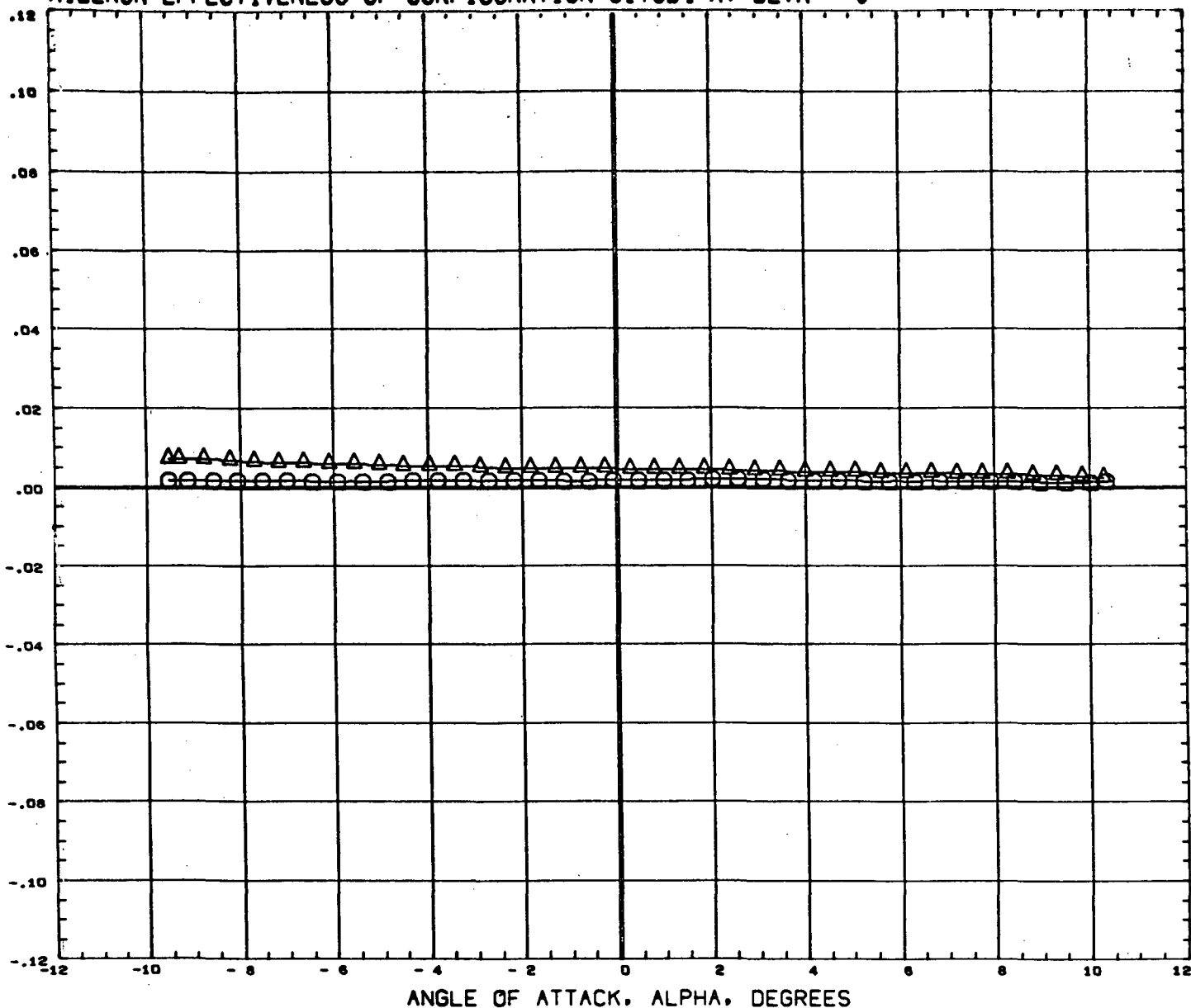
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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AILERON EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



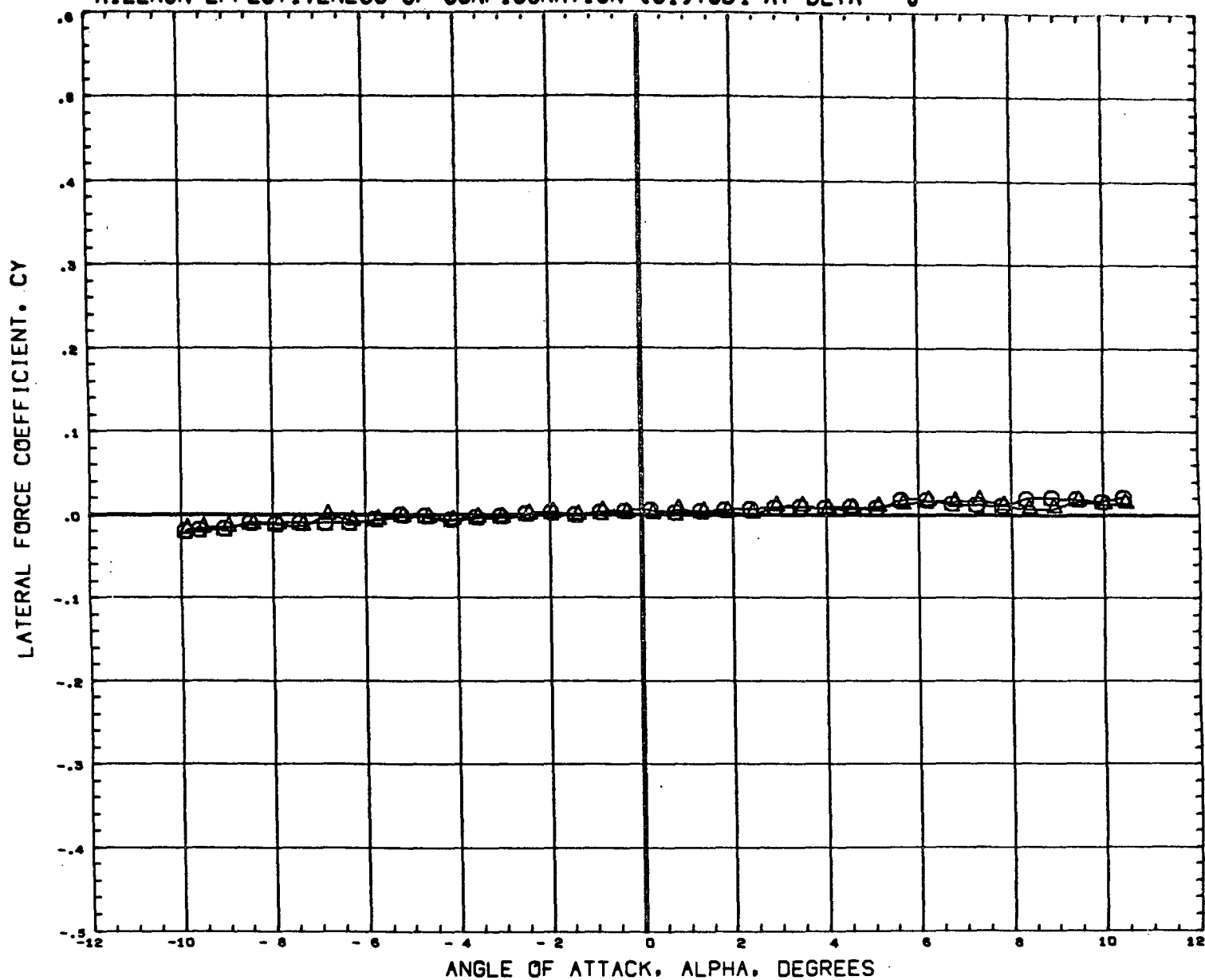
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7524) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	20.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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AILERON EFFECTIVENESS OF CONFIGURATION (O1)T3B4 AT BETA = 0



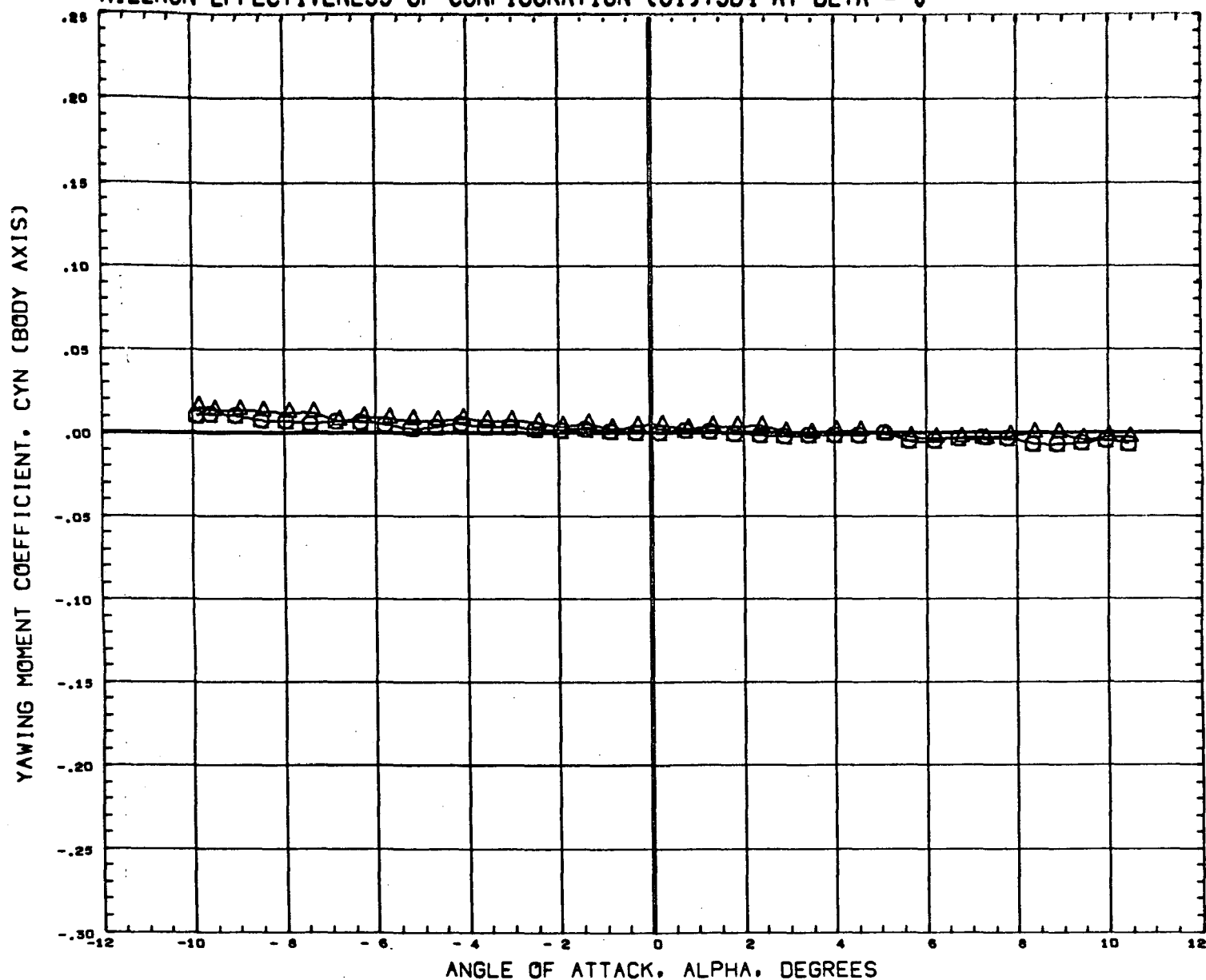
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7495)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7497)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

1.51

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AILERON EFFECTIVENESS OF CONFIGURATION (01)T3B4 AT BETA = 0

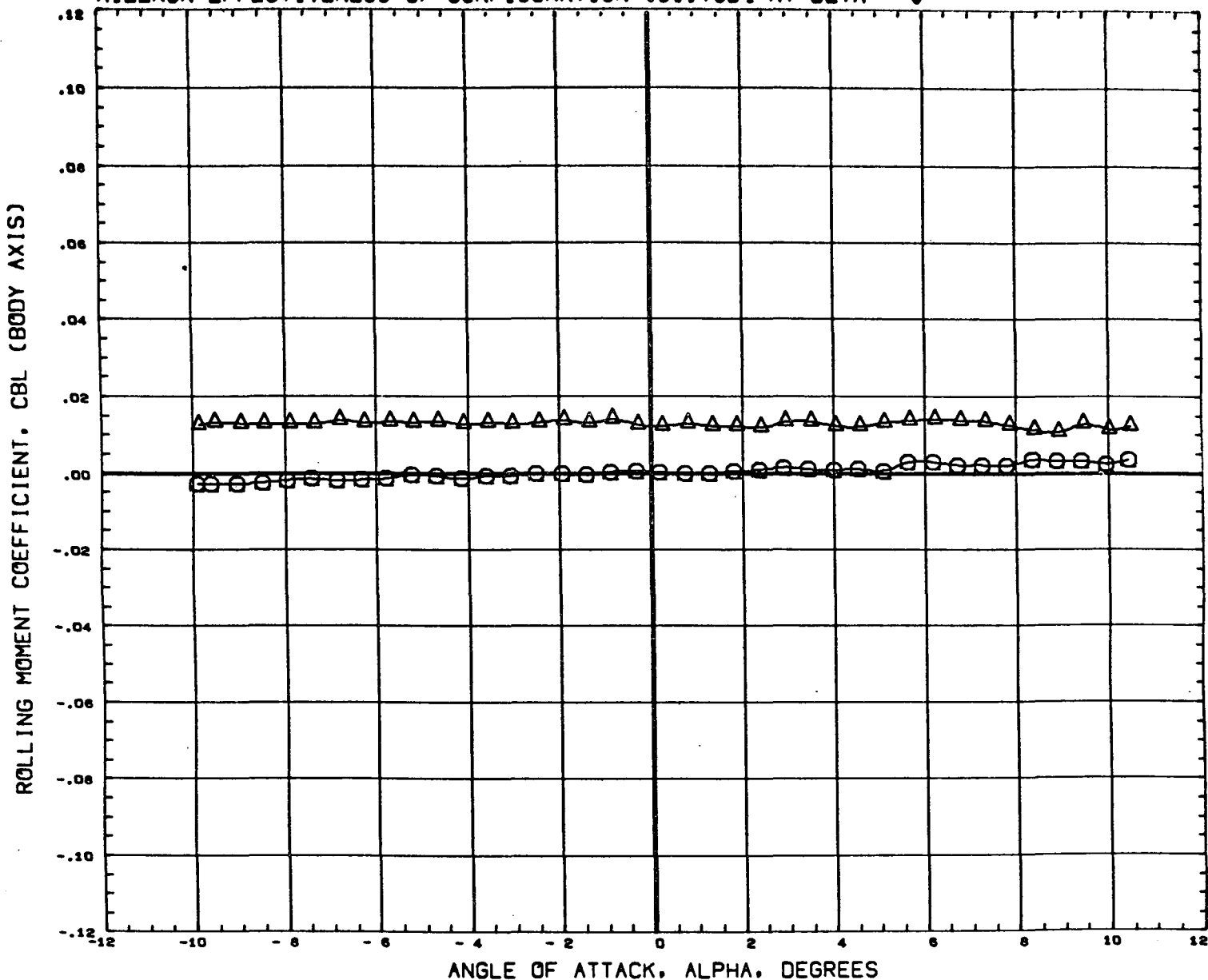


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7495)	MDAC S-222 COMPOSITE (T-CG) (01)T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7497)	MDAC S-222 COMPOSITE (T-CG) (01)T3B4	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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AILERON EFFECTIVENESS OF CONFIGURATION (O1)T3B4 AT BETA = 0



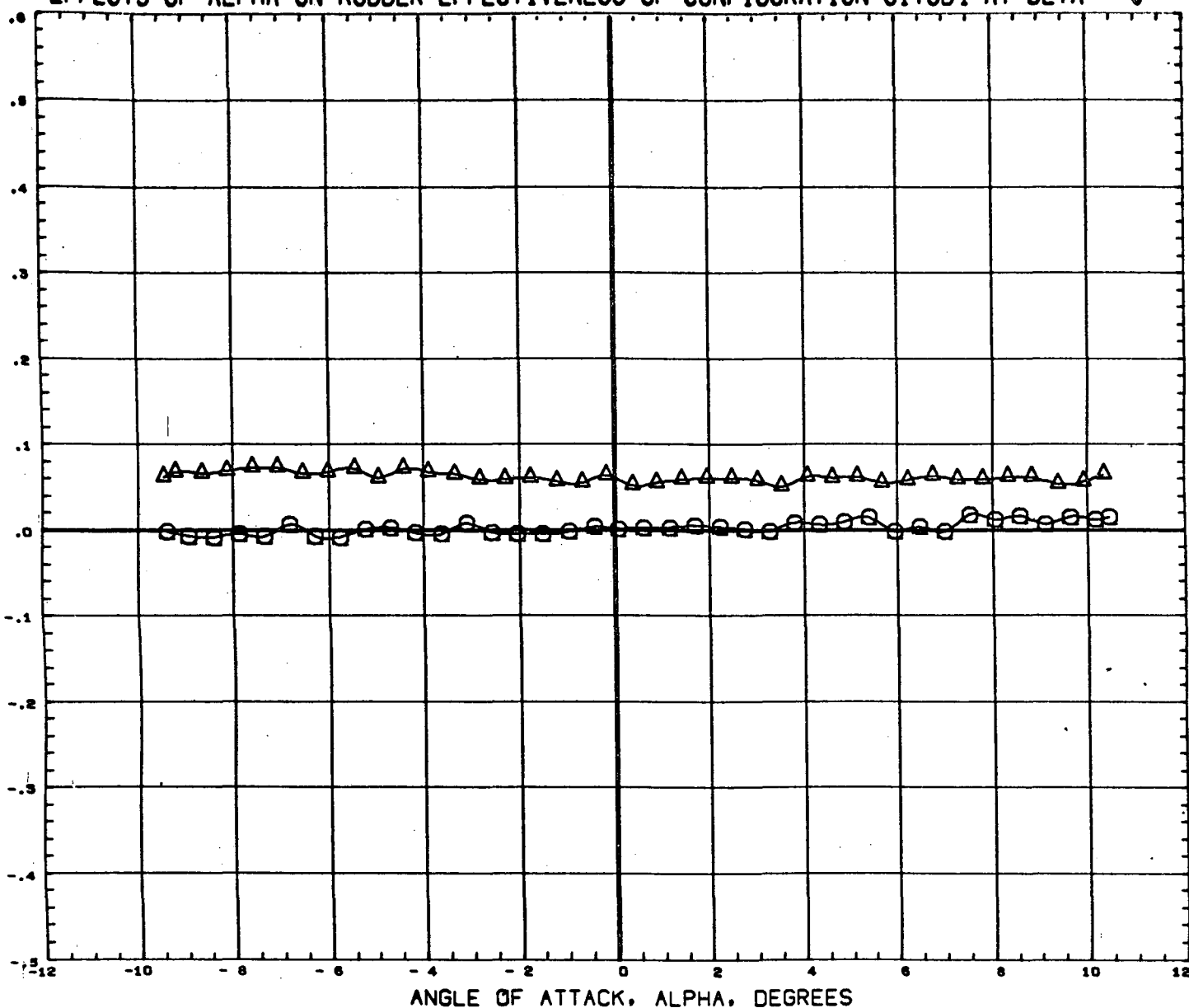
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7495)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7497)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	20.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



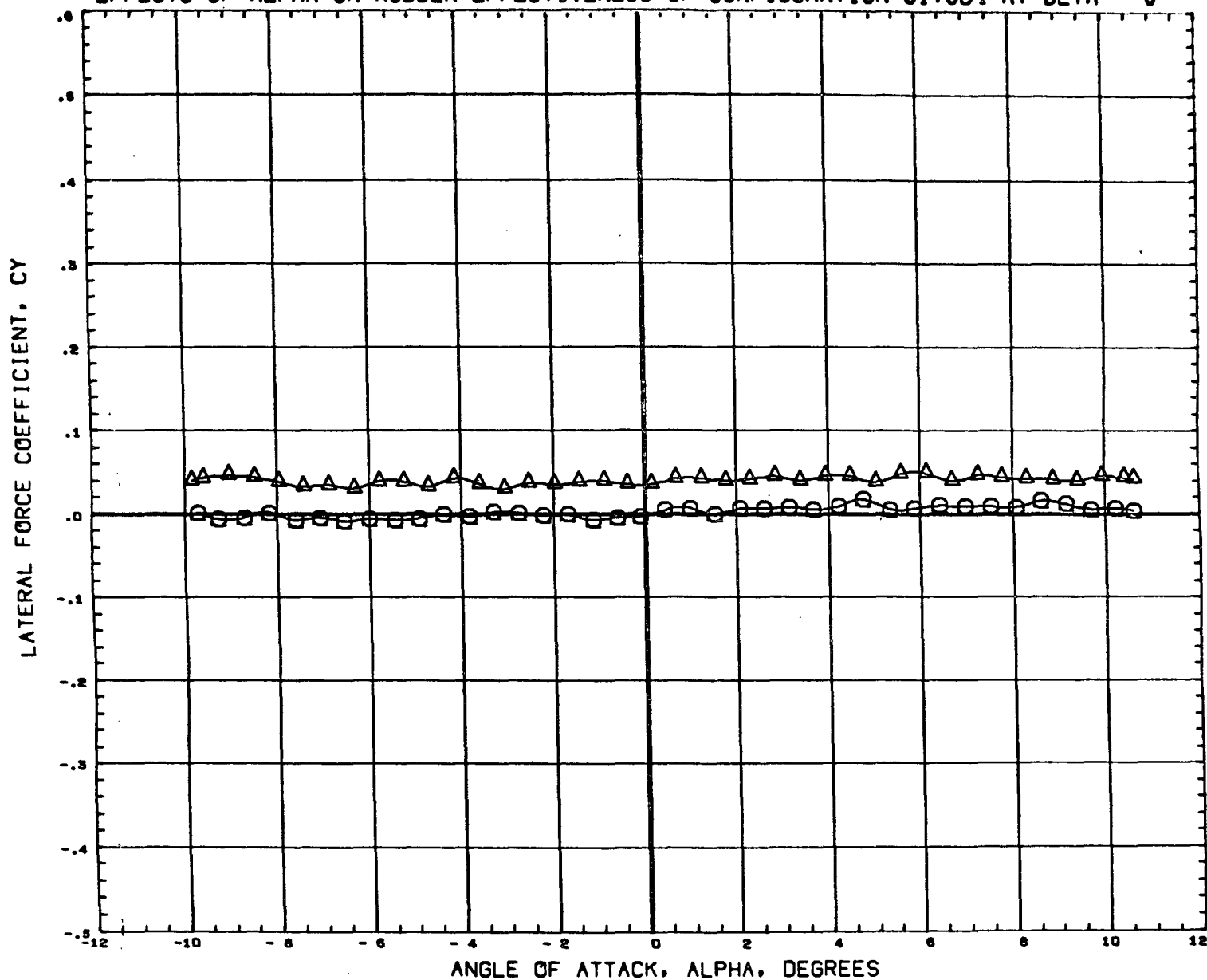
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



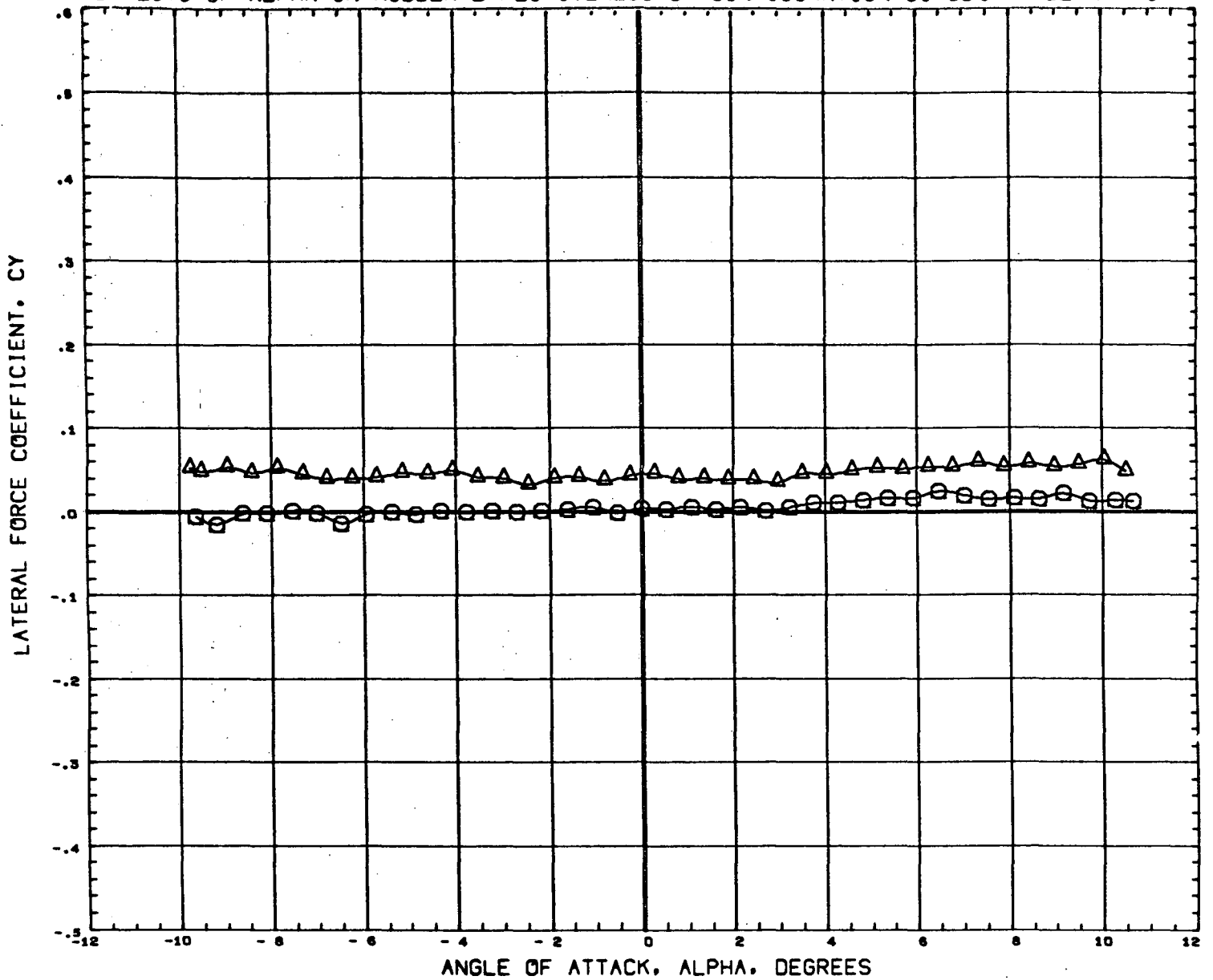
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



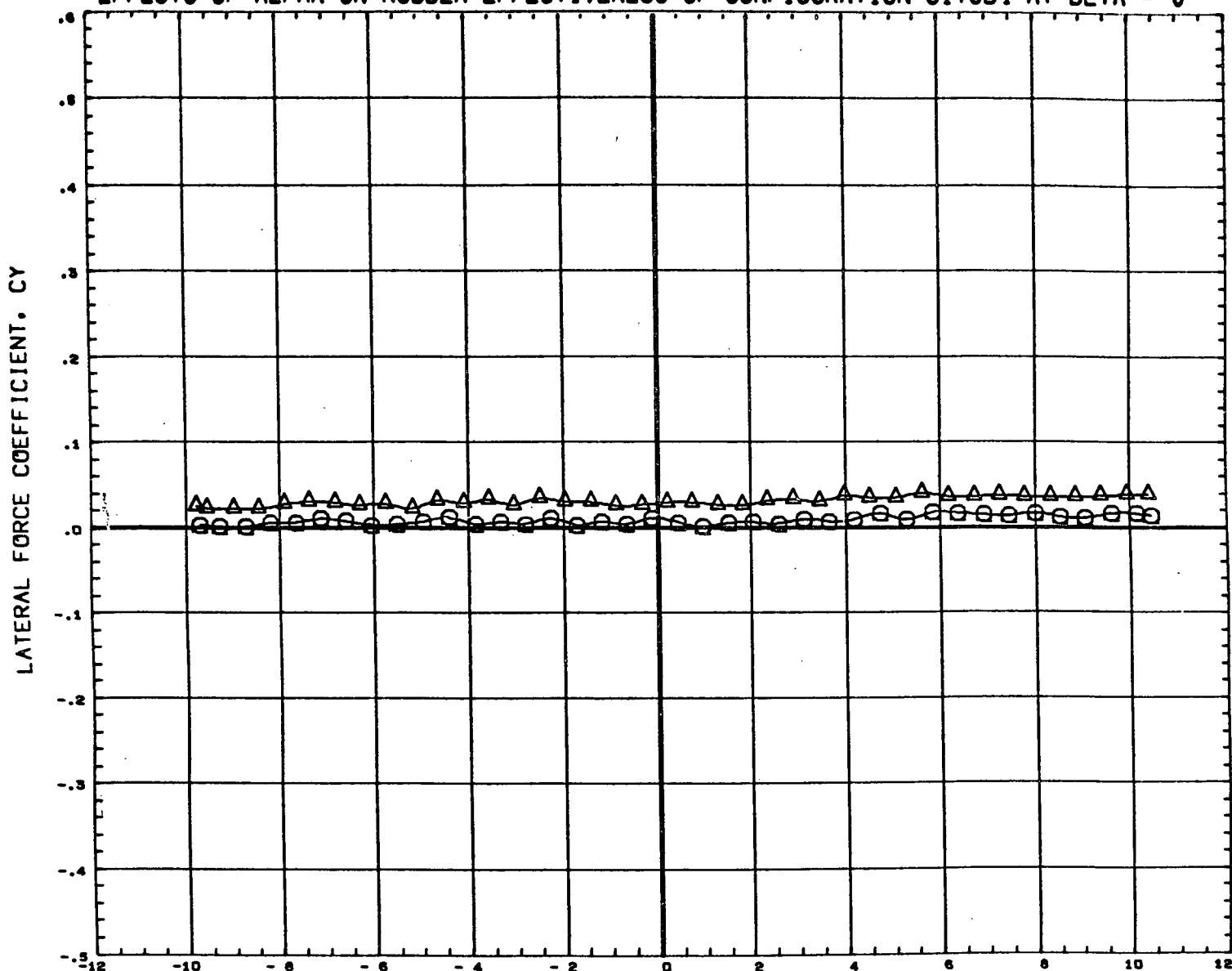
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRF	557.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH 1.08

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



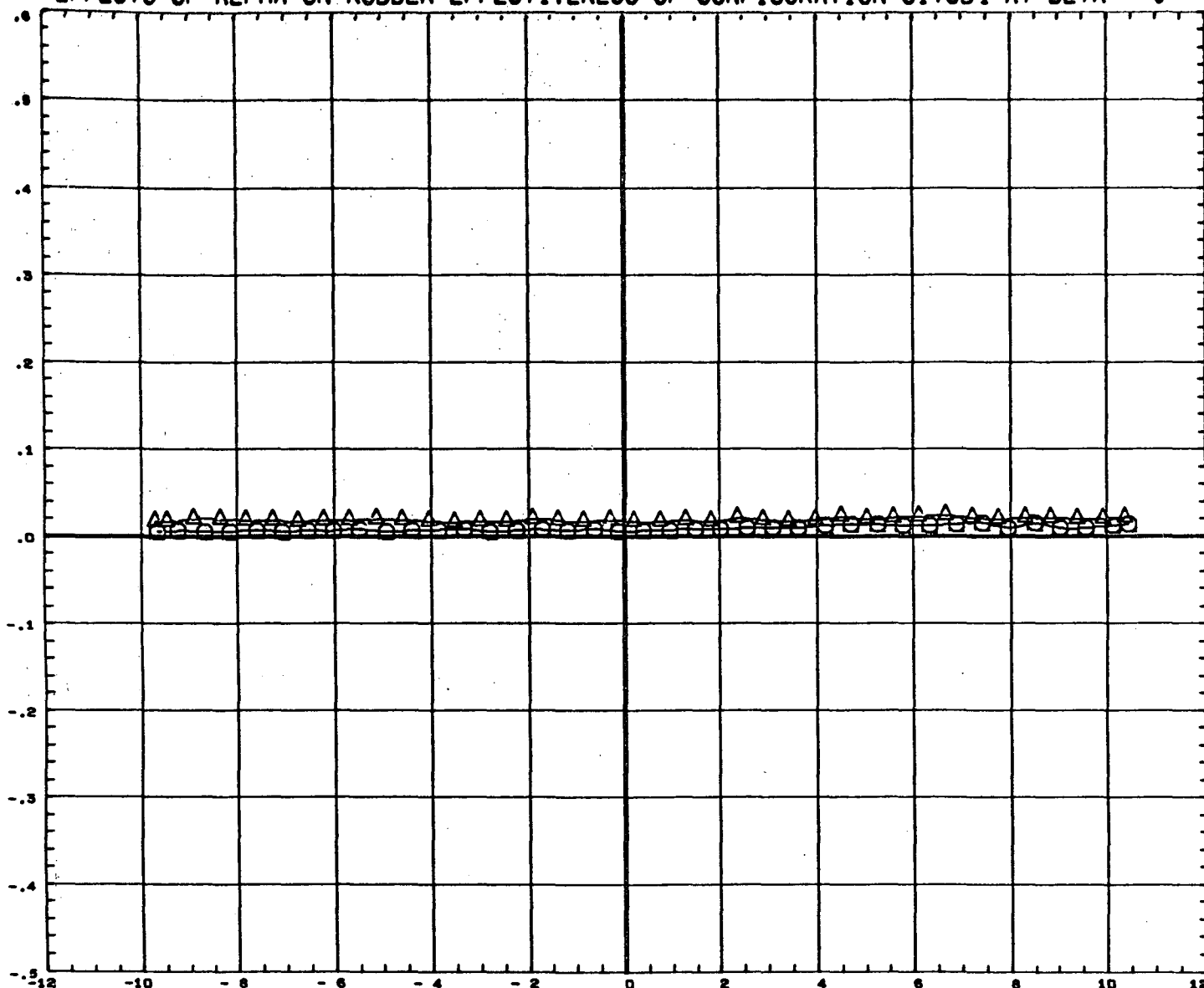
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7520)	MDAC S-222 COMPOSITE (T-C6) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7525)	MDAC S-222 COMPOSITE (T-C6) 01T3B4	0.000	0.000	0.000	10.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 1.51



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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

LATERAL FORCE COEFFICIENT, CY



ANGLE OF ATTACK, ALPHA, DEGREES

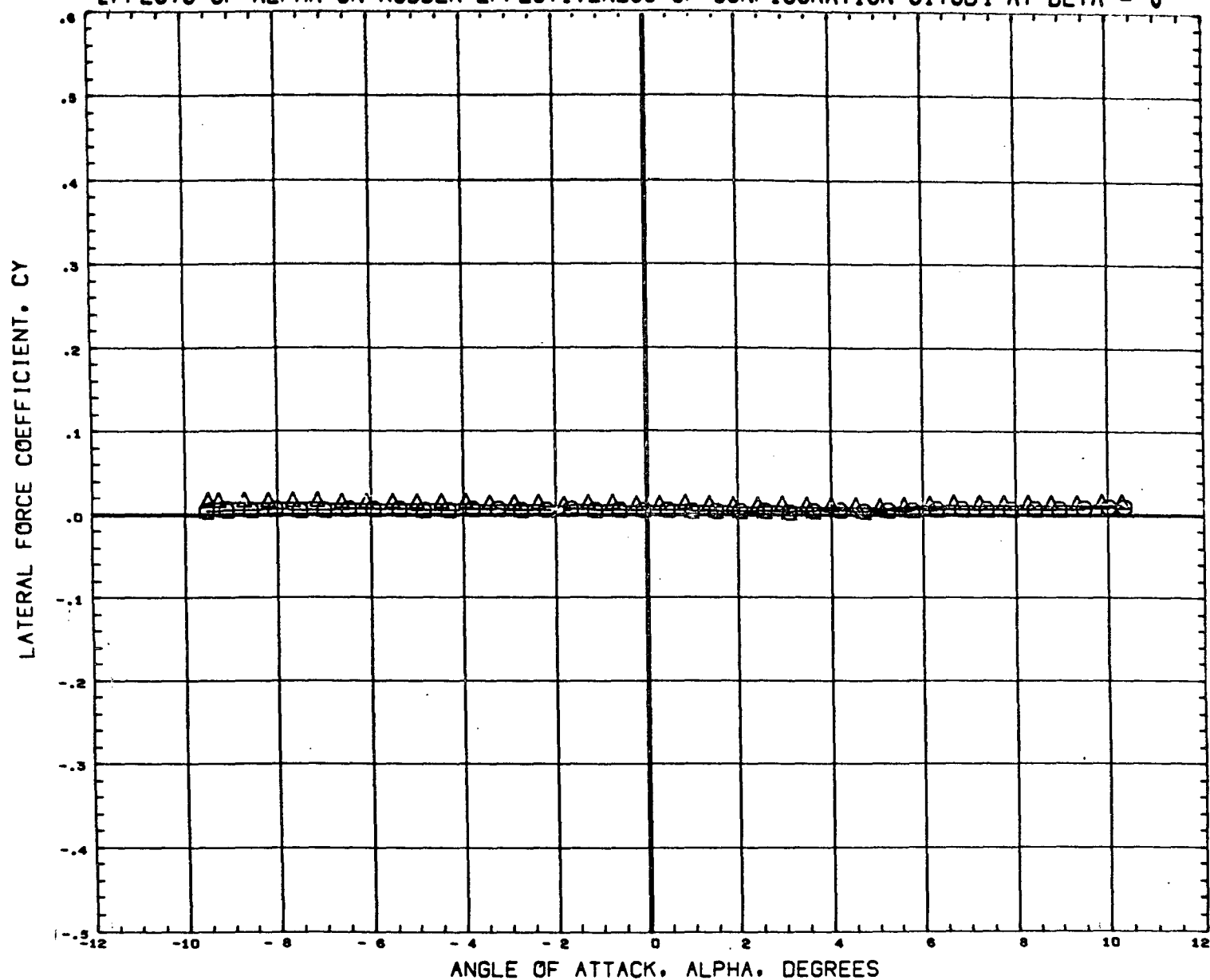
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7520) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525)	MDAC S-222 COMPOSITE (T-CG) 01T3B4

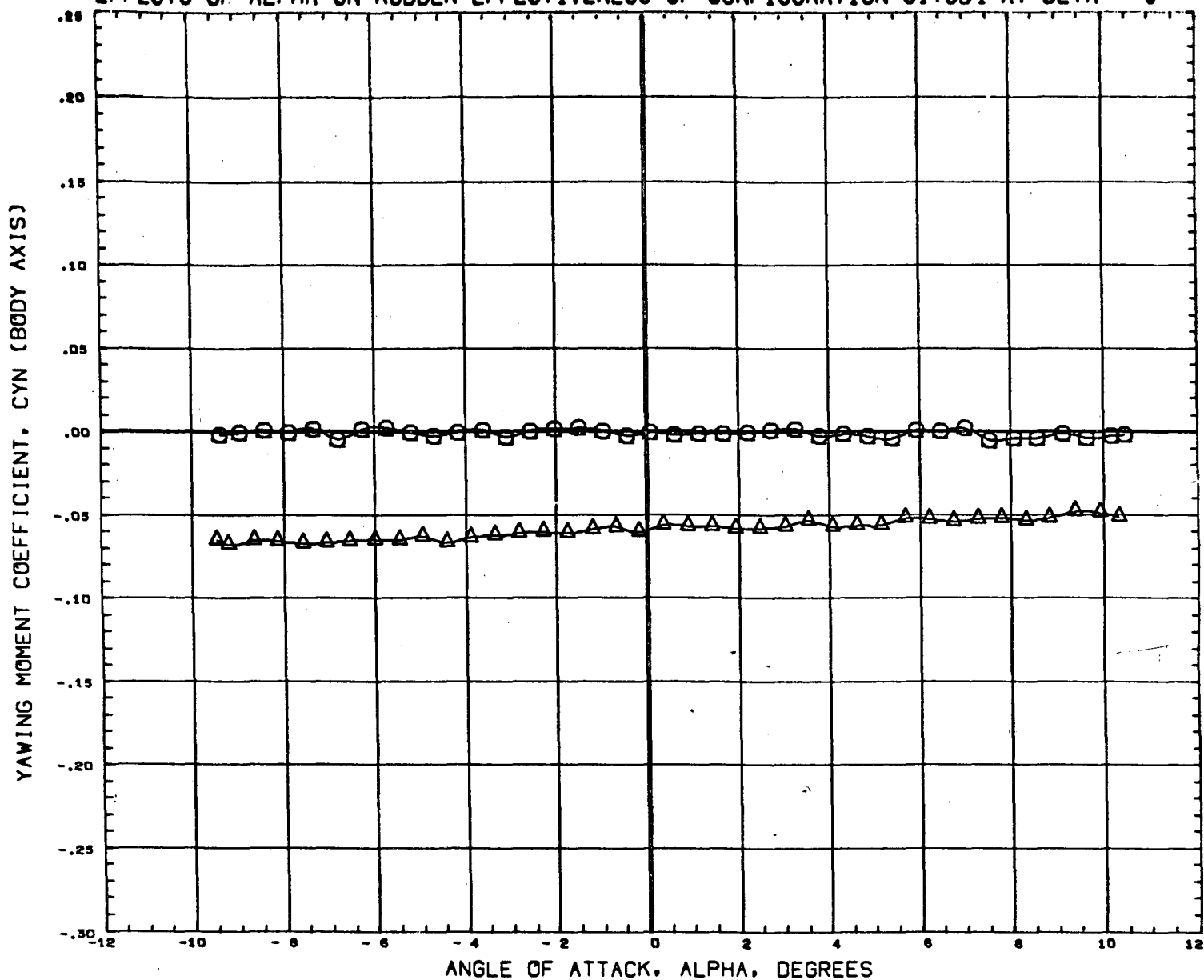
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

4.47

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



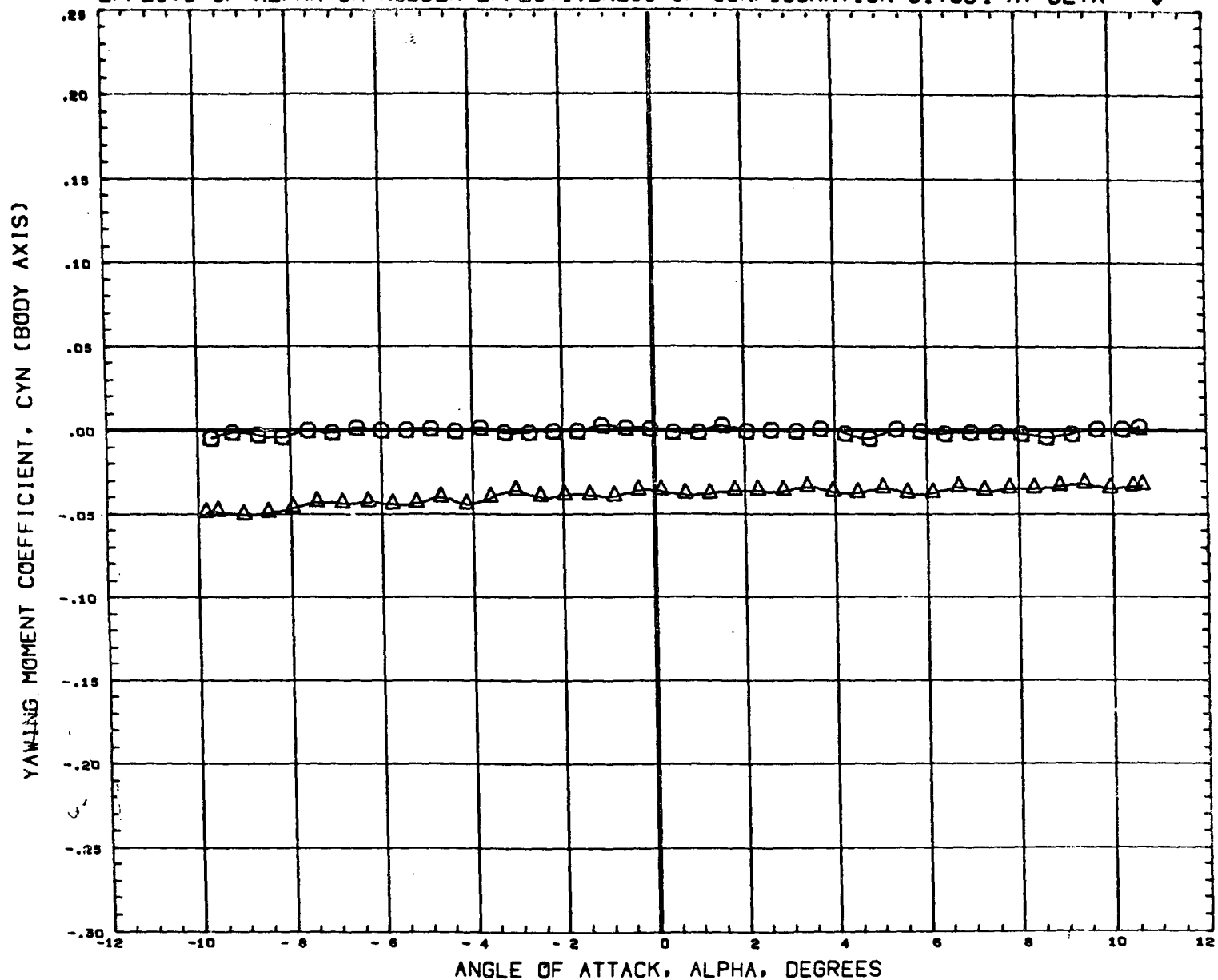
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .58

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

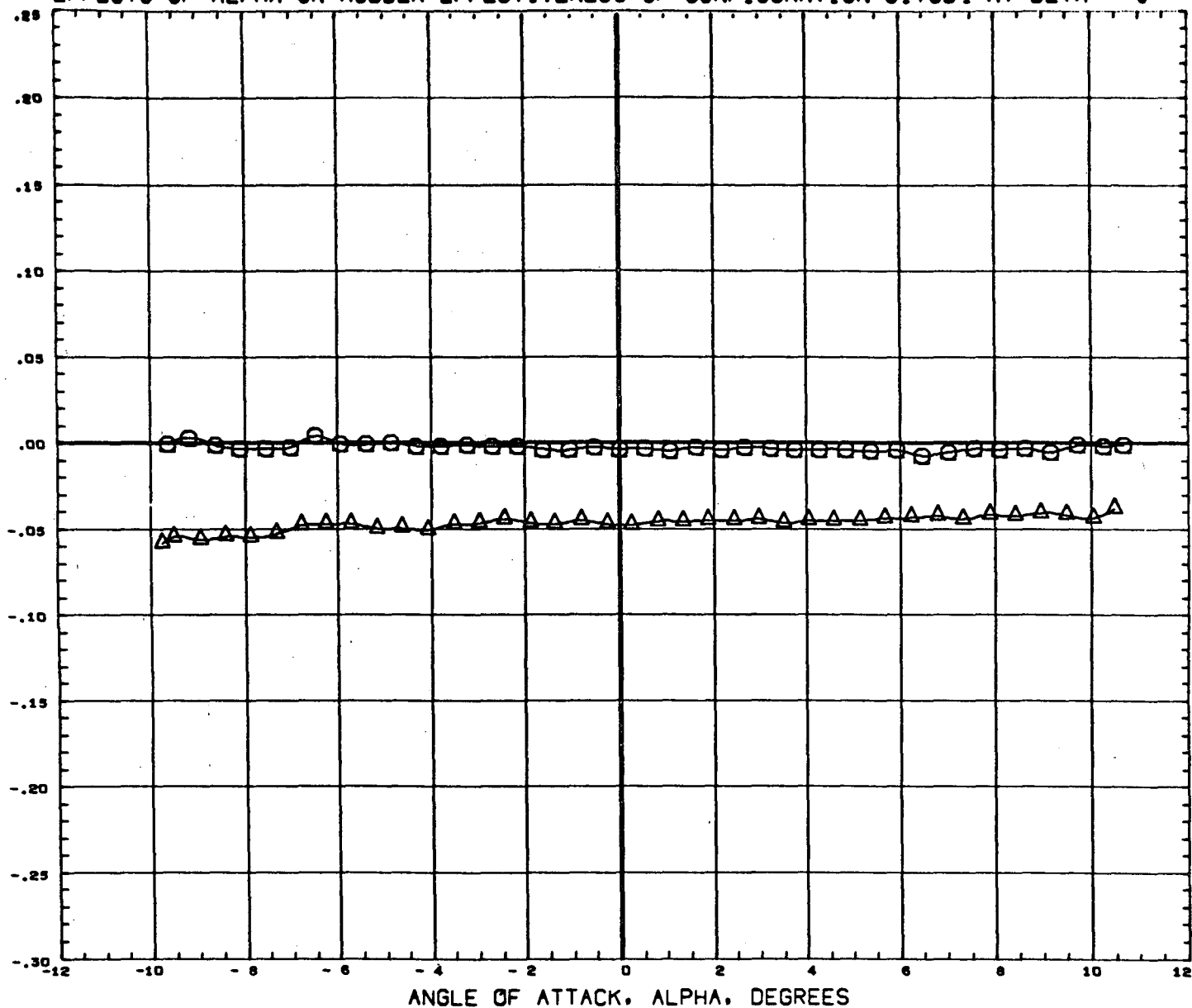
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				YMRP	557.0004	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .89

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



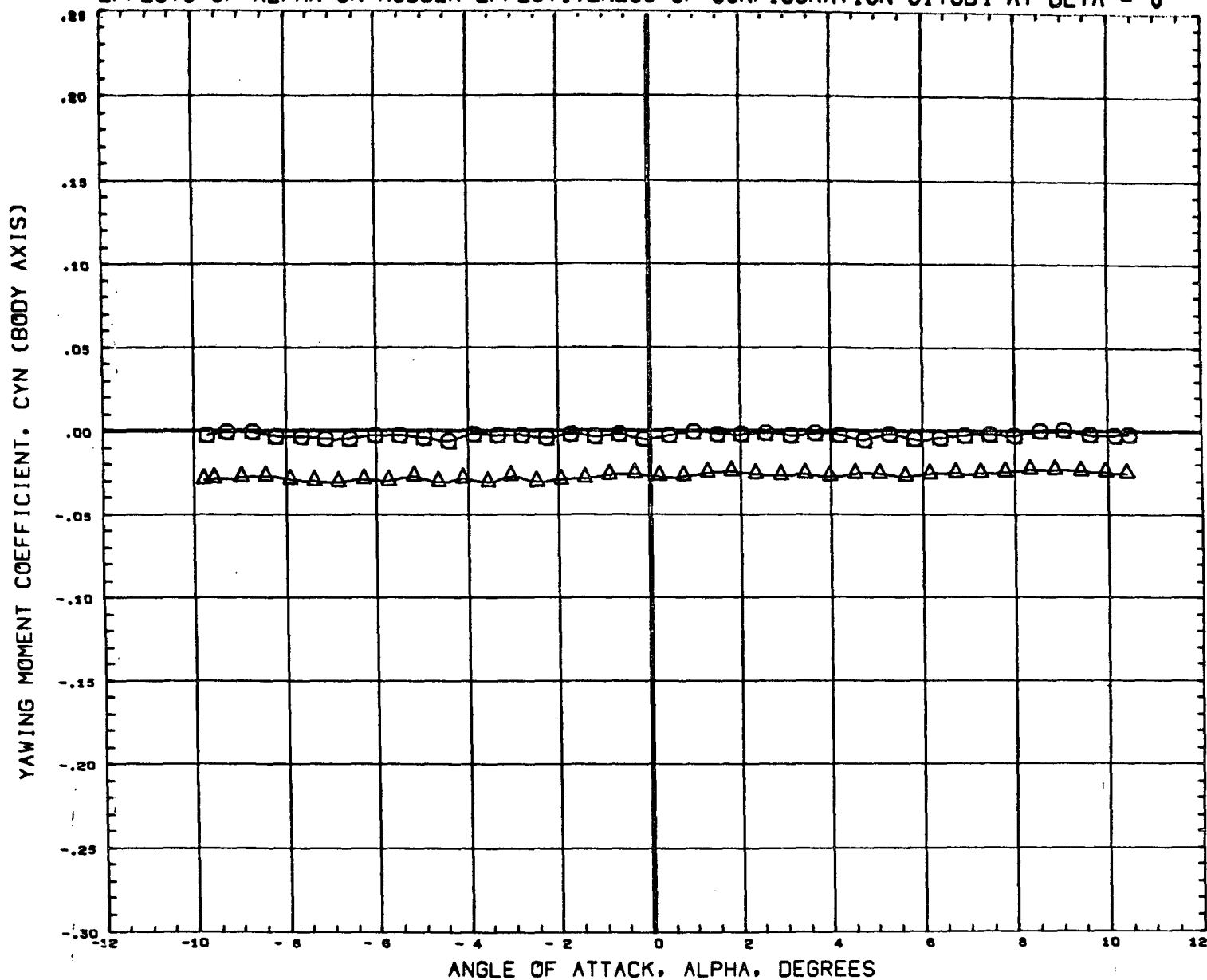
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



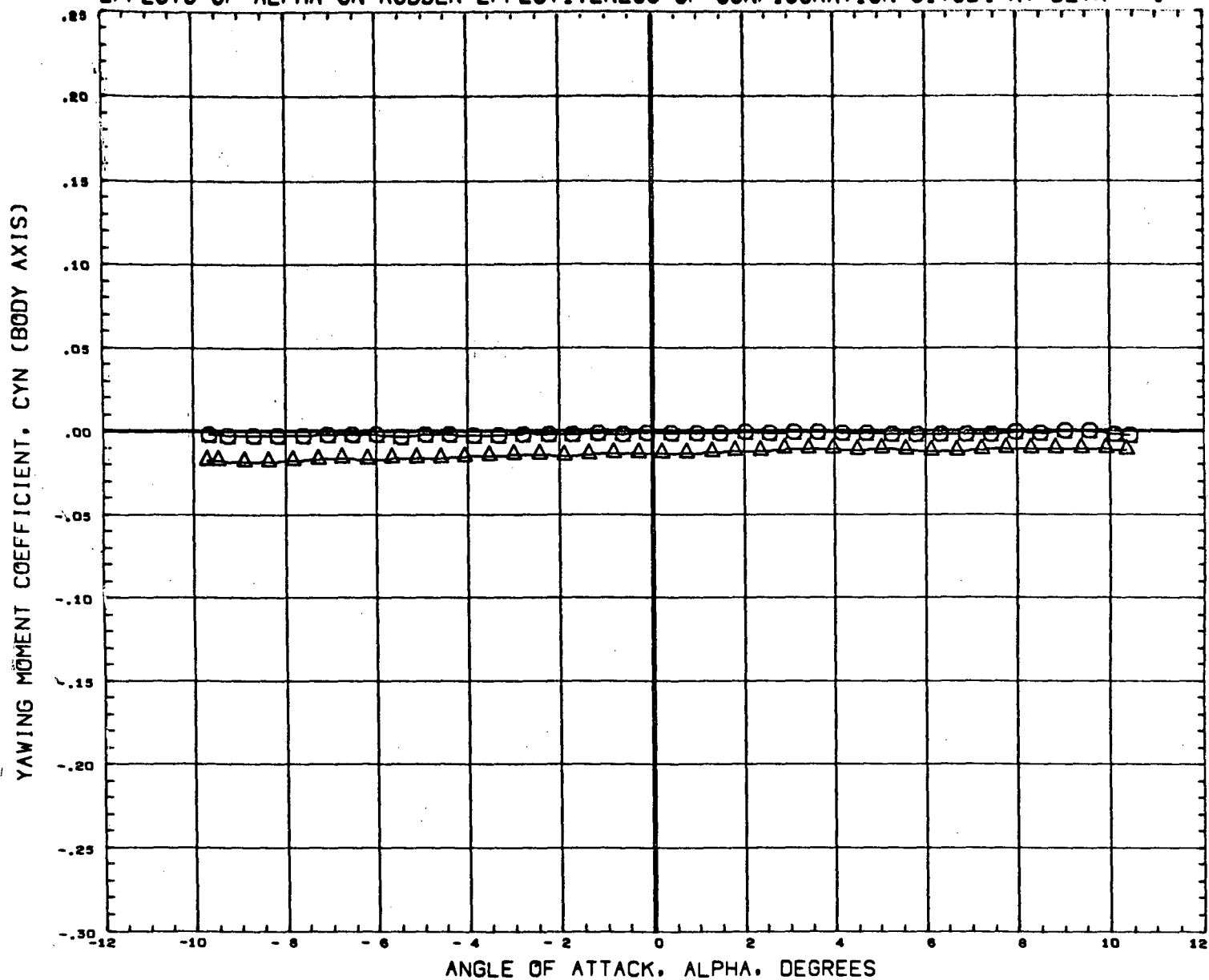
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE(T-CG) 01T3B4
 (RD7525) MDAC S-222 COMPOSITE(T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



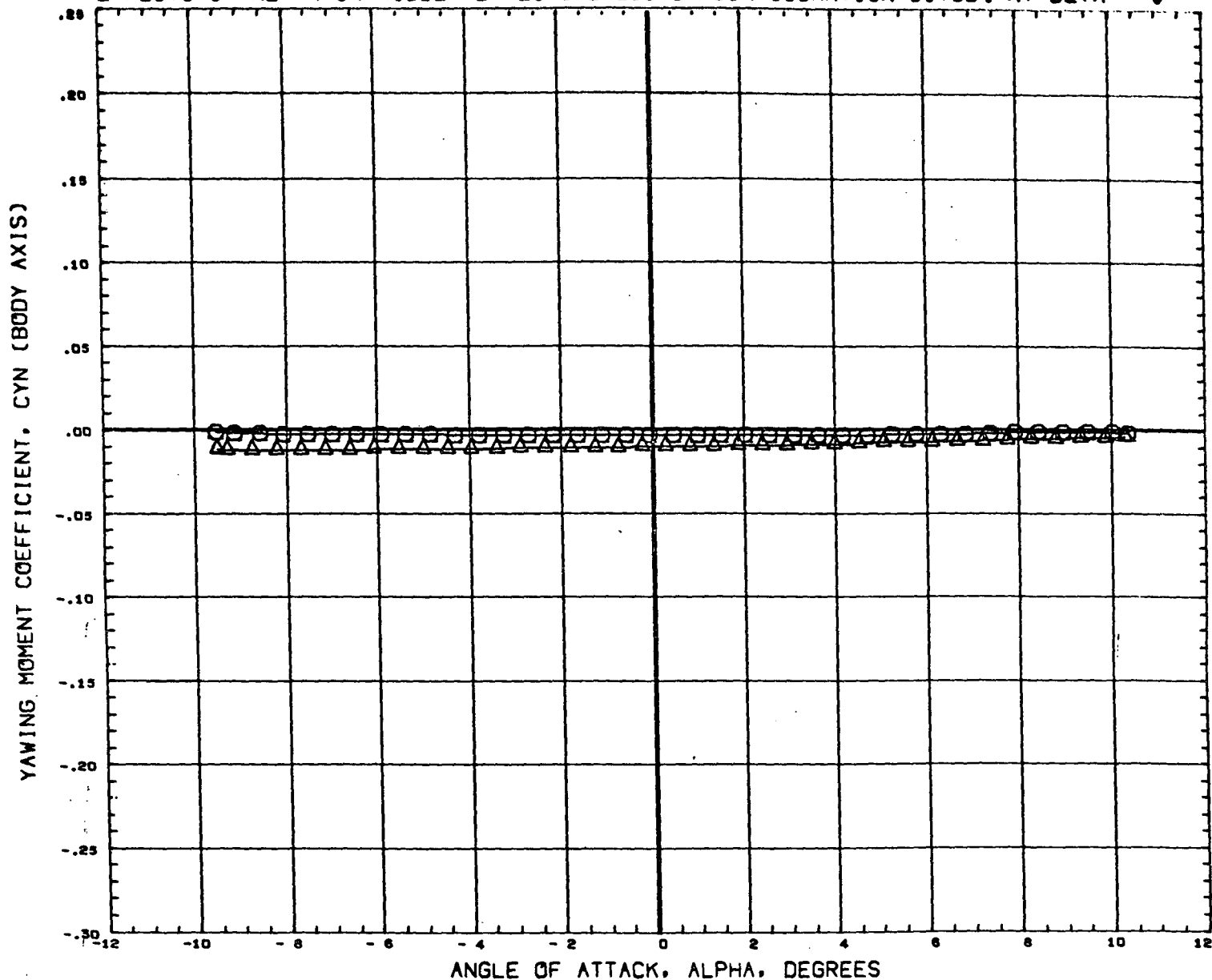
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

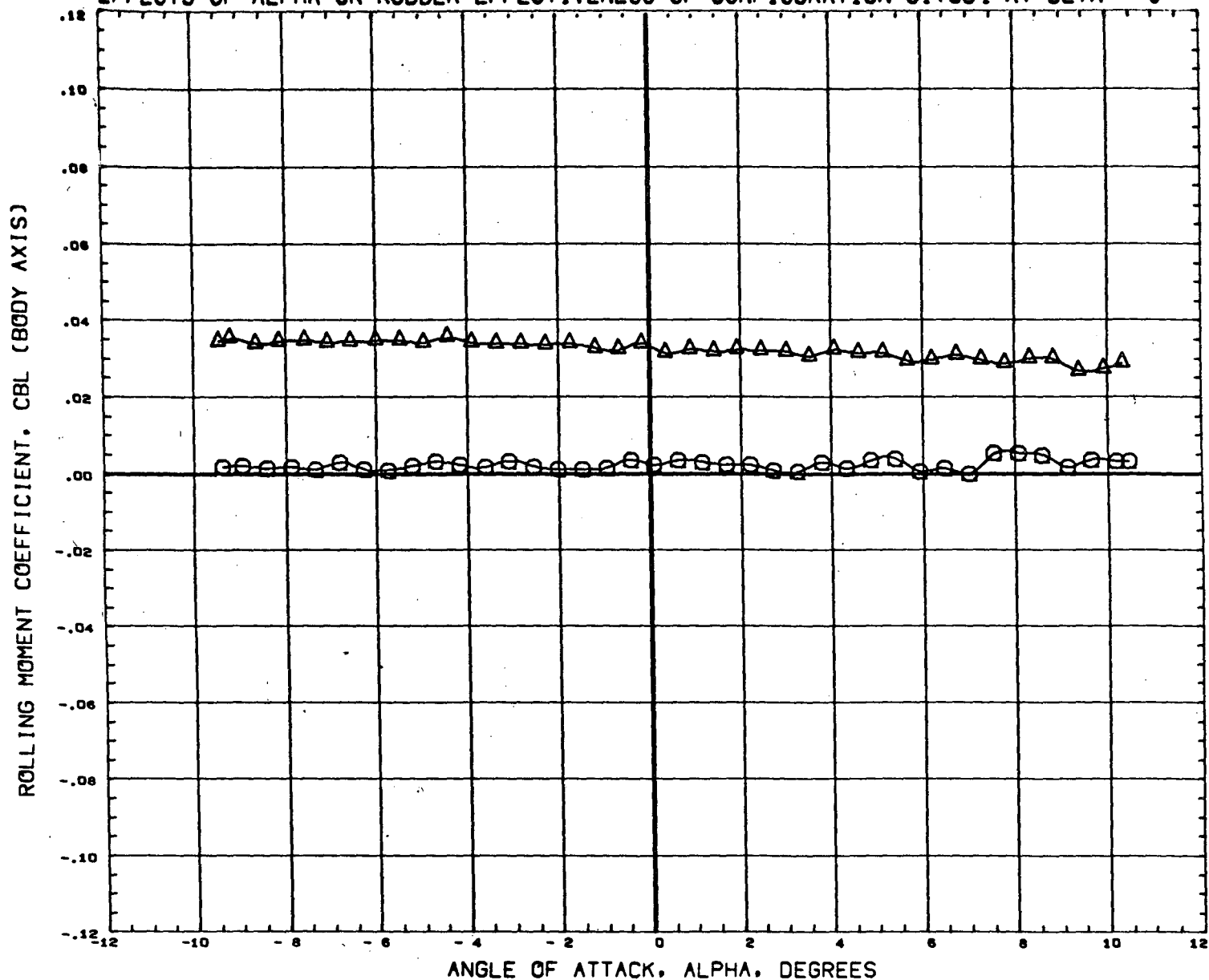
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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7320)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD7325)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	10.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



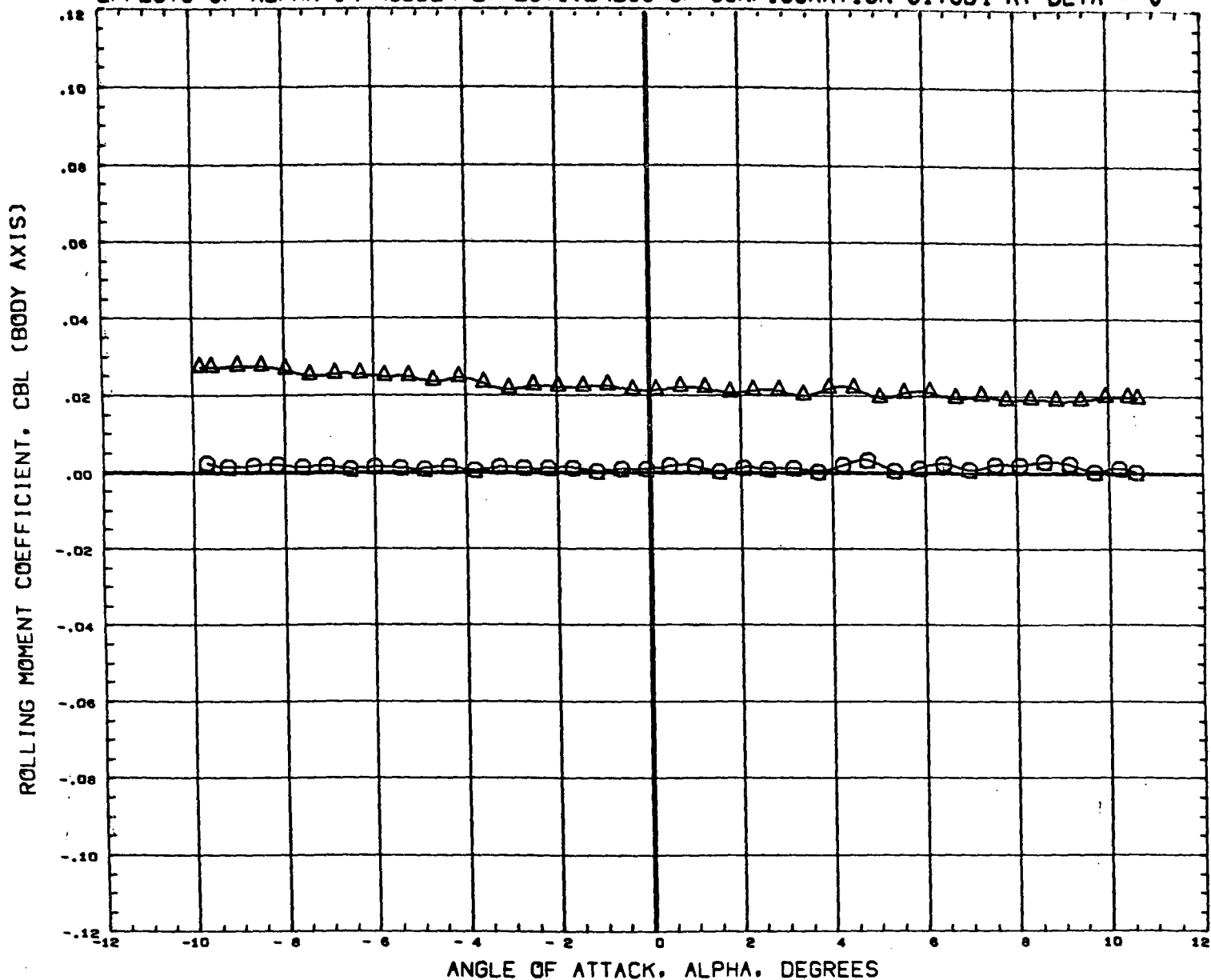
DATA SET, SYMBOL CONFIGURATION DESCRIPTION
 (RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 Sq.Ft.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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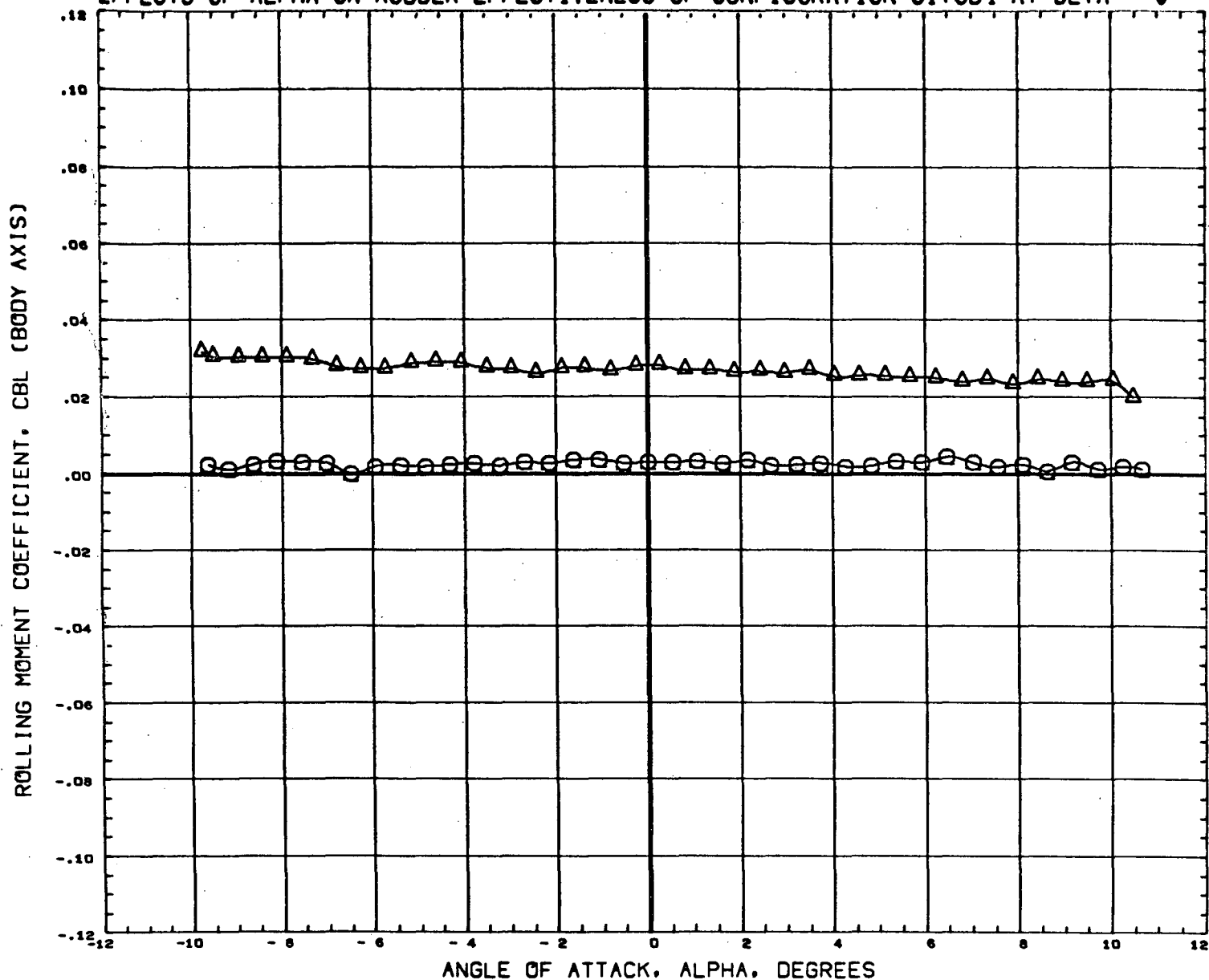
EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7525)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	10.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .89

EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

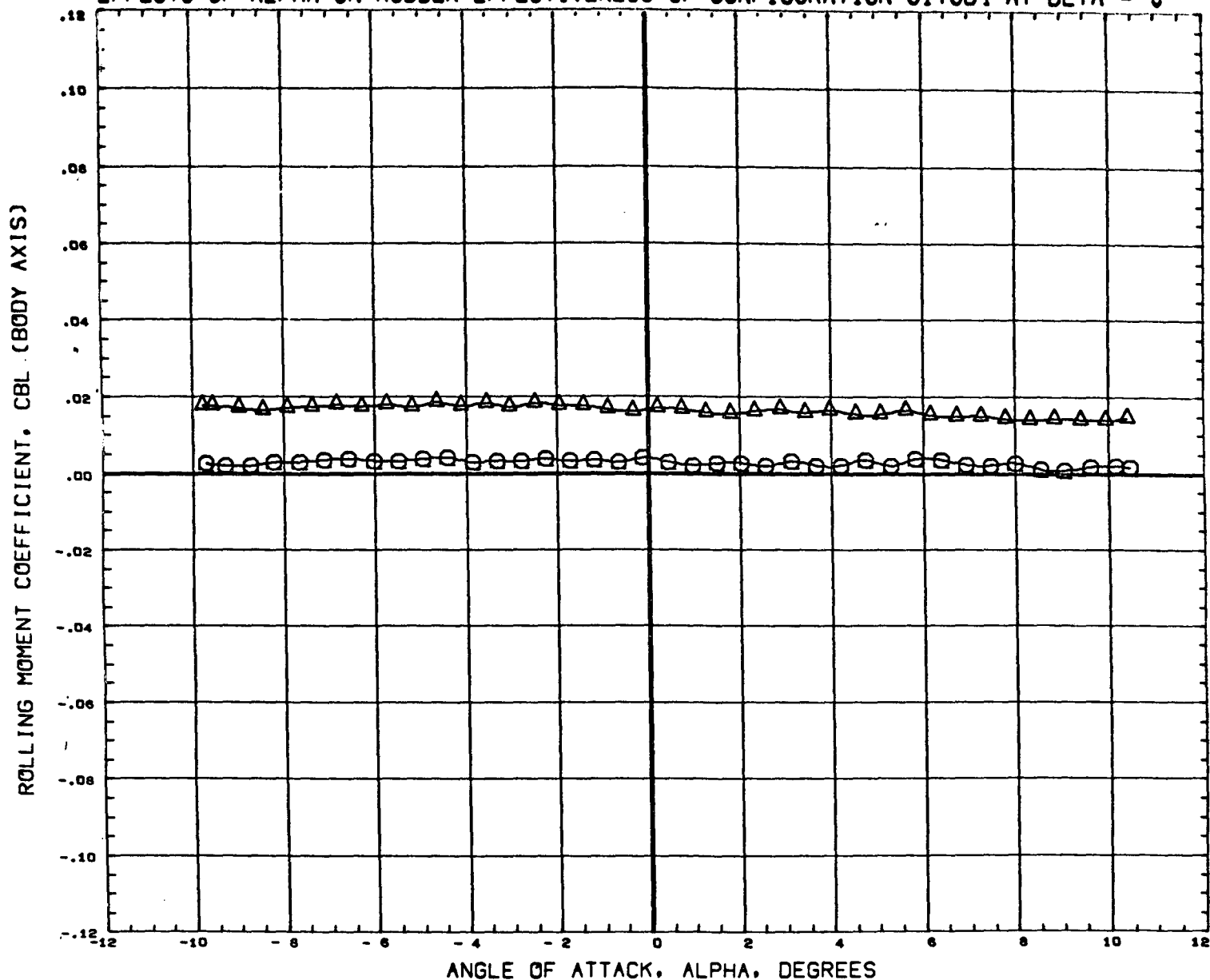


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD7525)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	10.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRF	557.0004	IN.
						YMRF	0.0000	IN.
						ZMRF	200.0004	IN.
						SCALE	0.0060	

MACH 1.08

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

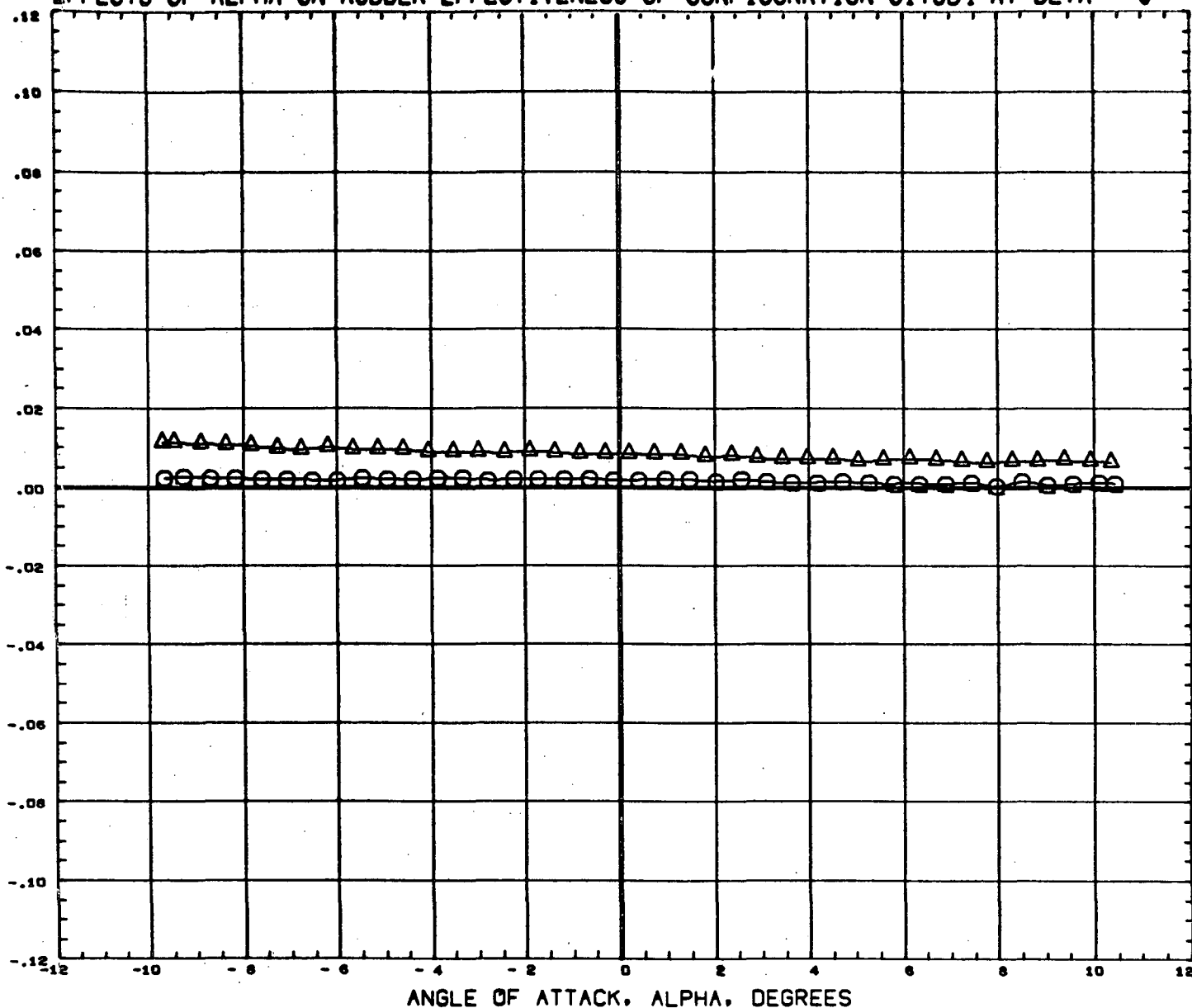
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060



MACH 1.51

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



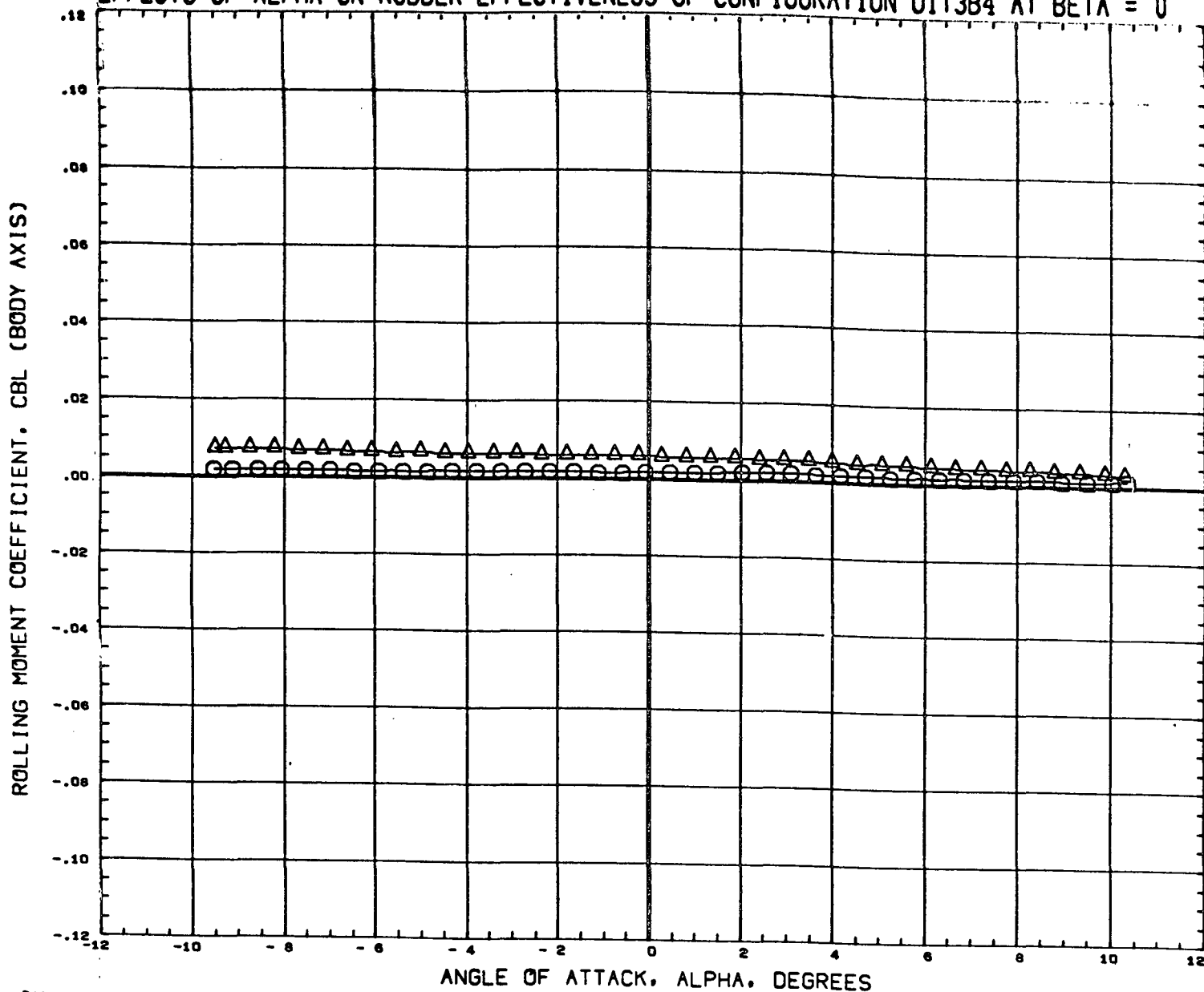
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7520) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) 	MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION 01T3B4 AT BETA = 0

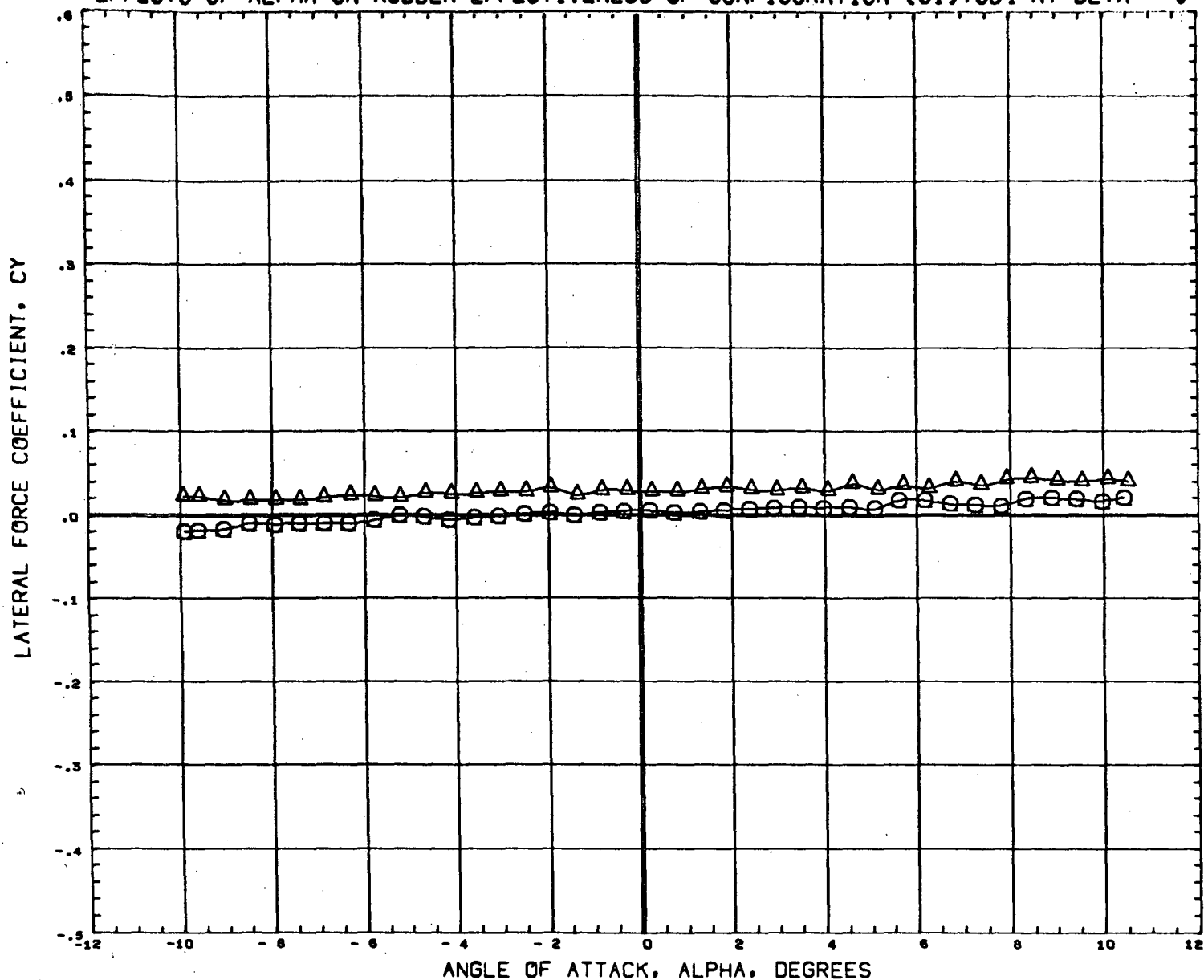


DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7525) MDAC S-222 COMPOSITE (T-CG) 01T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION (01)T3B4 AT BETA = 0



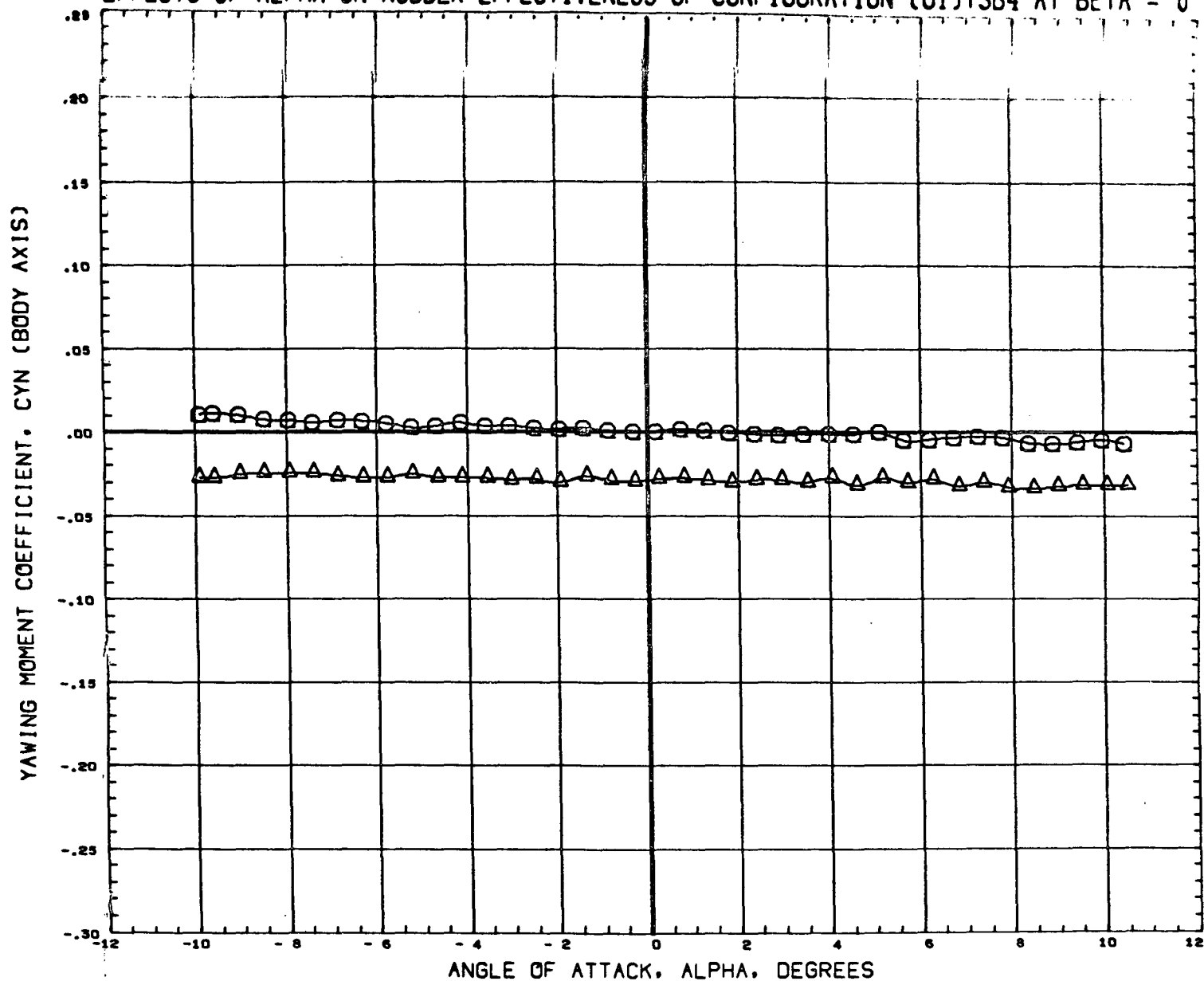
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7495) ○ MDAC S-222 COMPOSITE (T-CG) (01) T3B4
(RD7498) △ MDAC S-222 COMPOSITE (T-CG) (01) T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XM RP	557.0004	IN.
				YM RP	0.0000	IN.
				ZM RP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION (O1)T3B4 AT BETA = 0



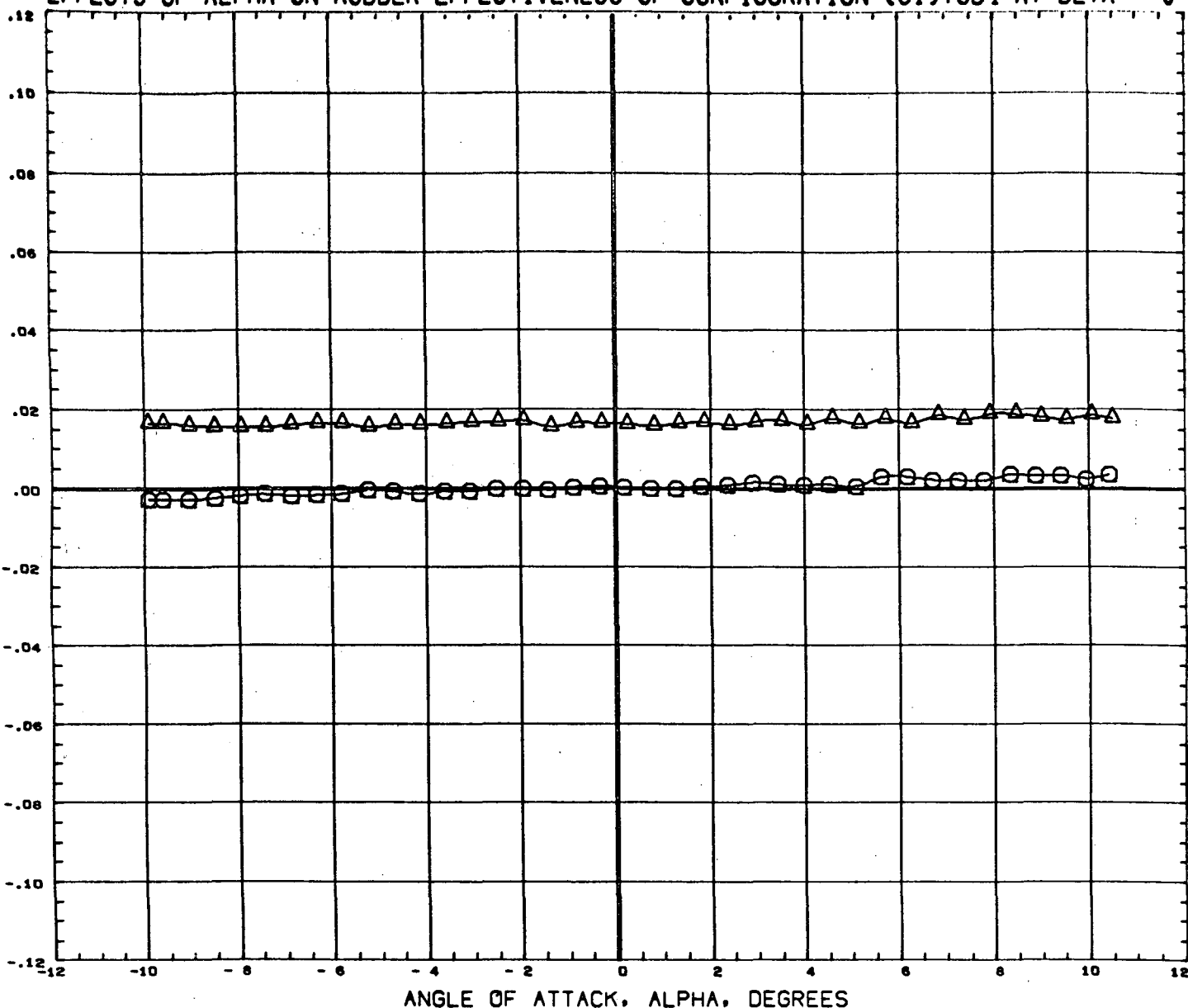
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7495)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7498)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	0.000	10.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

1.51

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EFFECTS OF ALPHA ON RUDDER EFFECTIVENESS OF CONFIGURATION (01)T3B4 AT BETA = 0



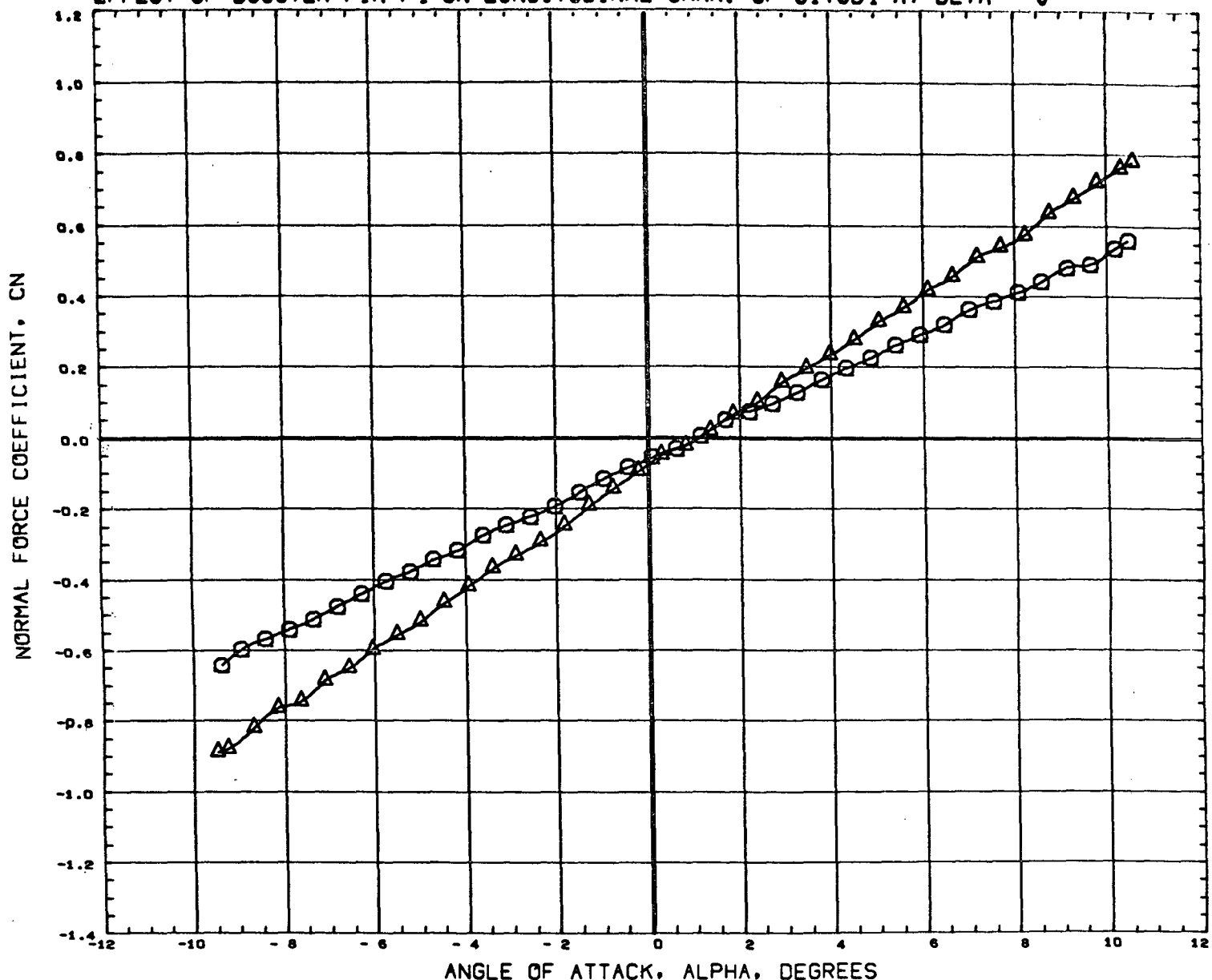
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RD7495) O	MDAC S-222 COMPOSITE (T-CG) (01)T3B4
(RD7498) Δ	MDAC S-222 COMPOSITE (T-CG) (01)T3B4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	10.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



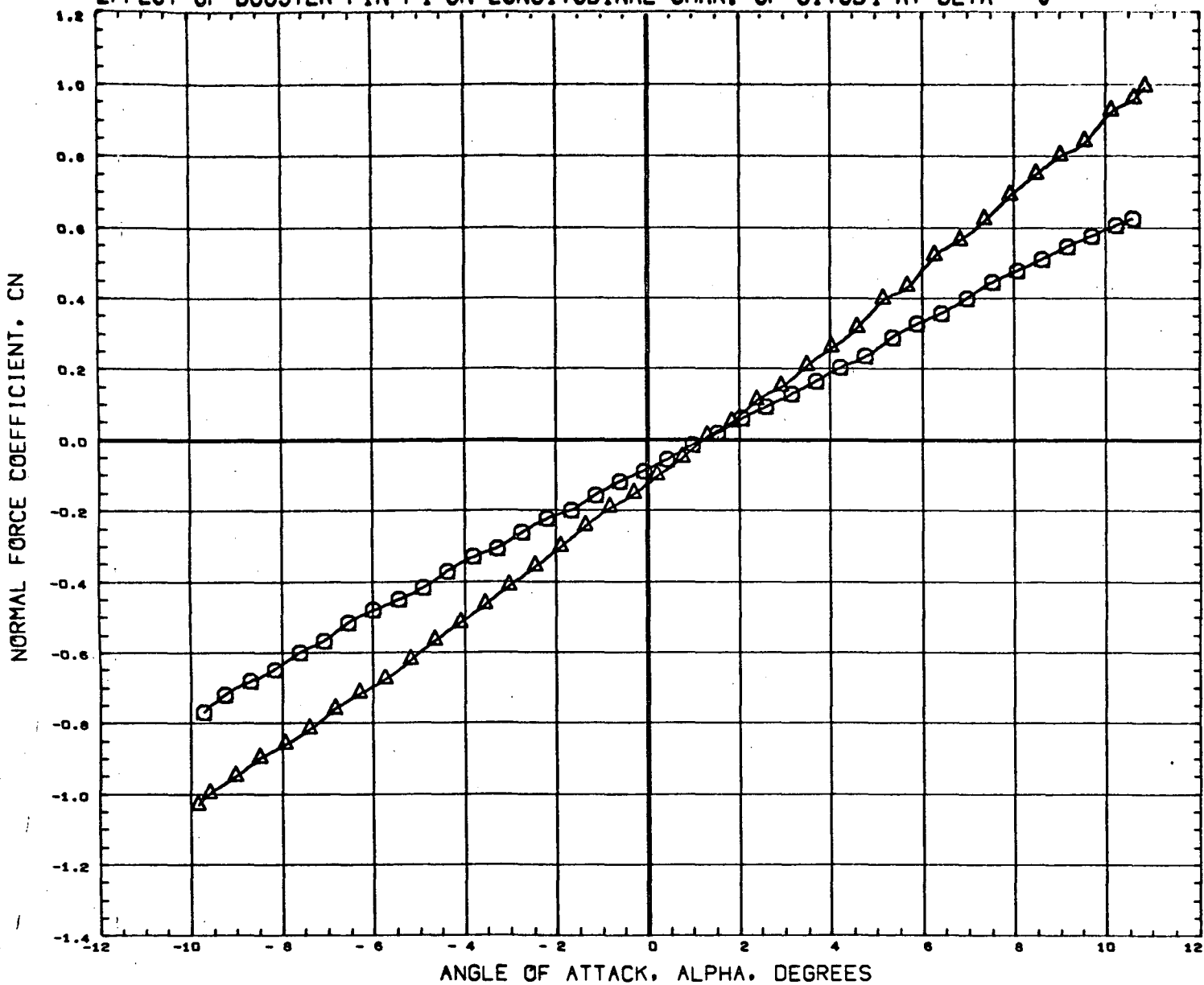
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF O1T3B4 AT BETA = 0



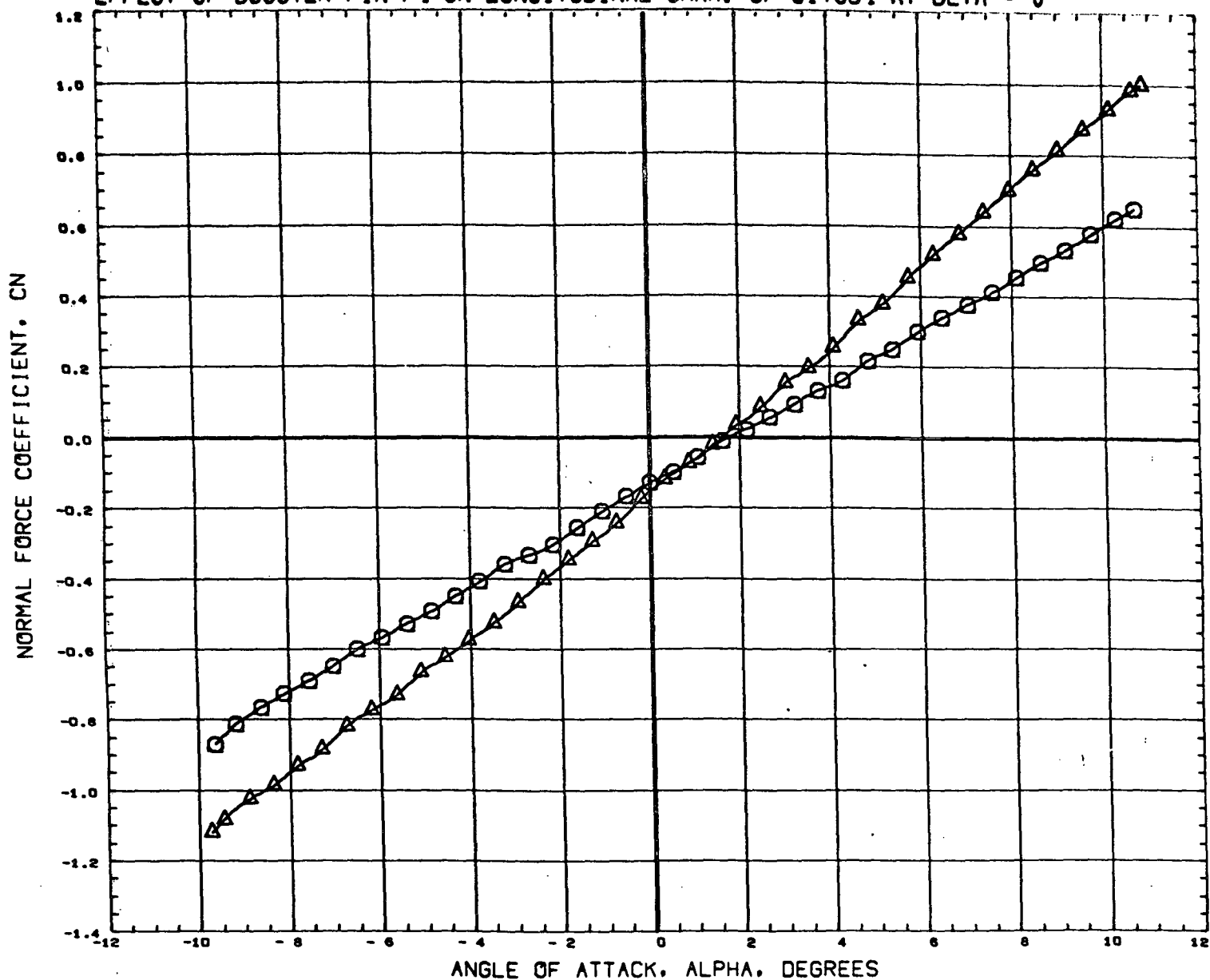
DATA SET SYMBOL : CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	862.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF O1T3B4 AT BETA = 0

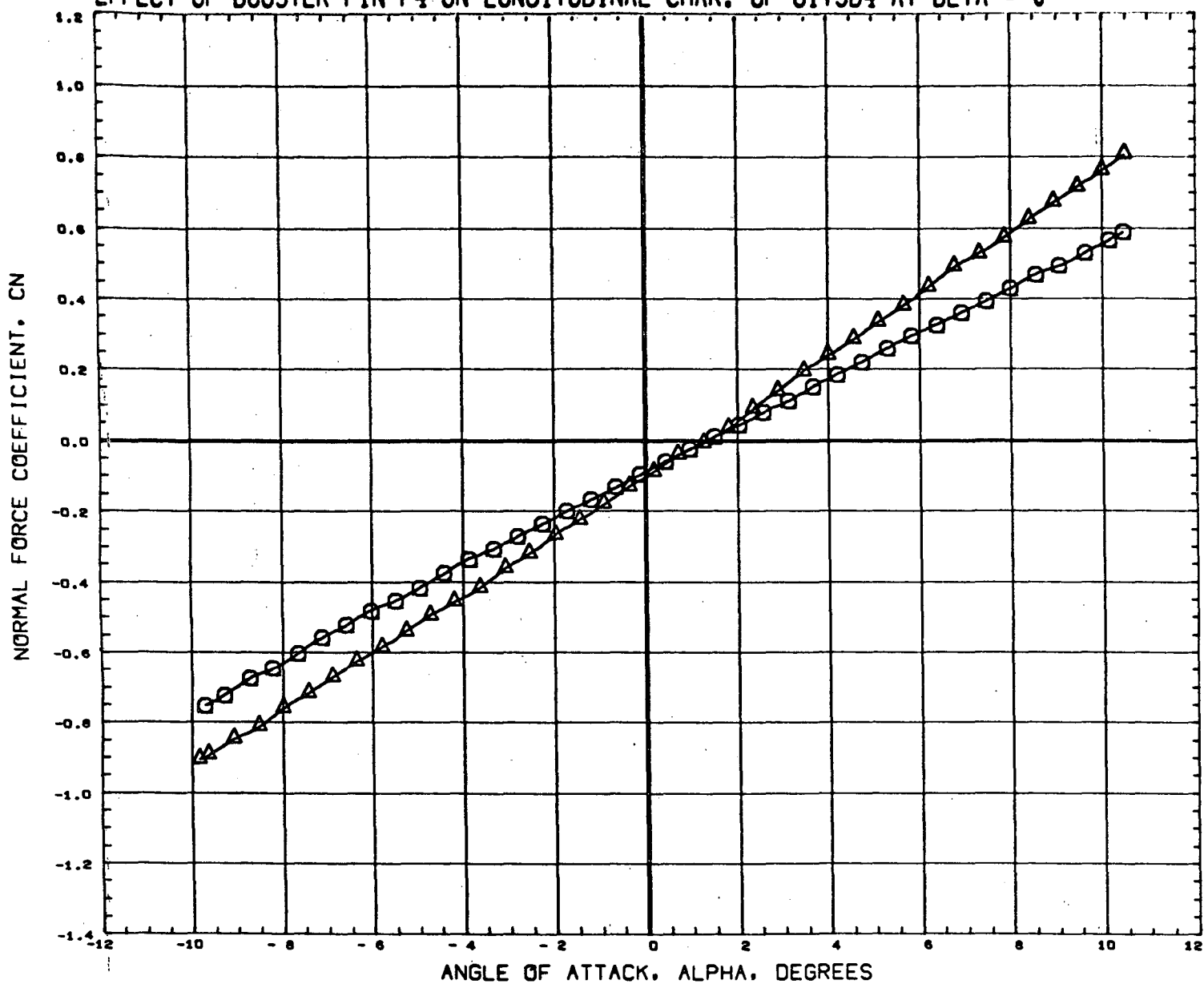


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF O1T3B4 AT BETA = 0



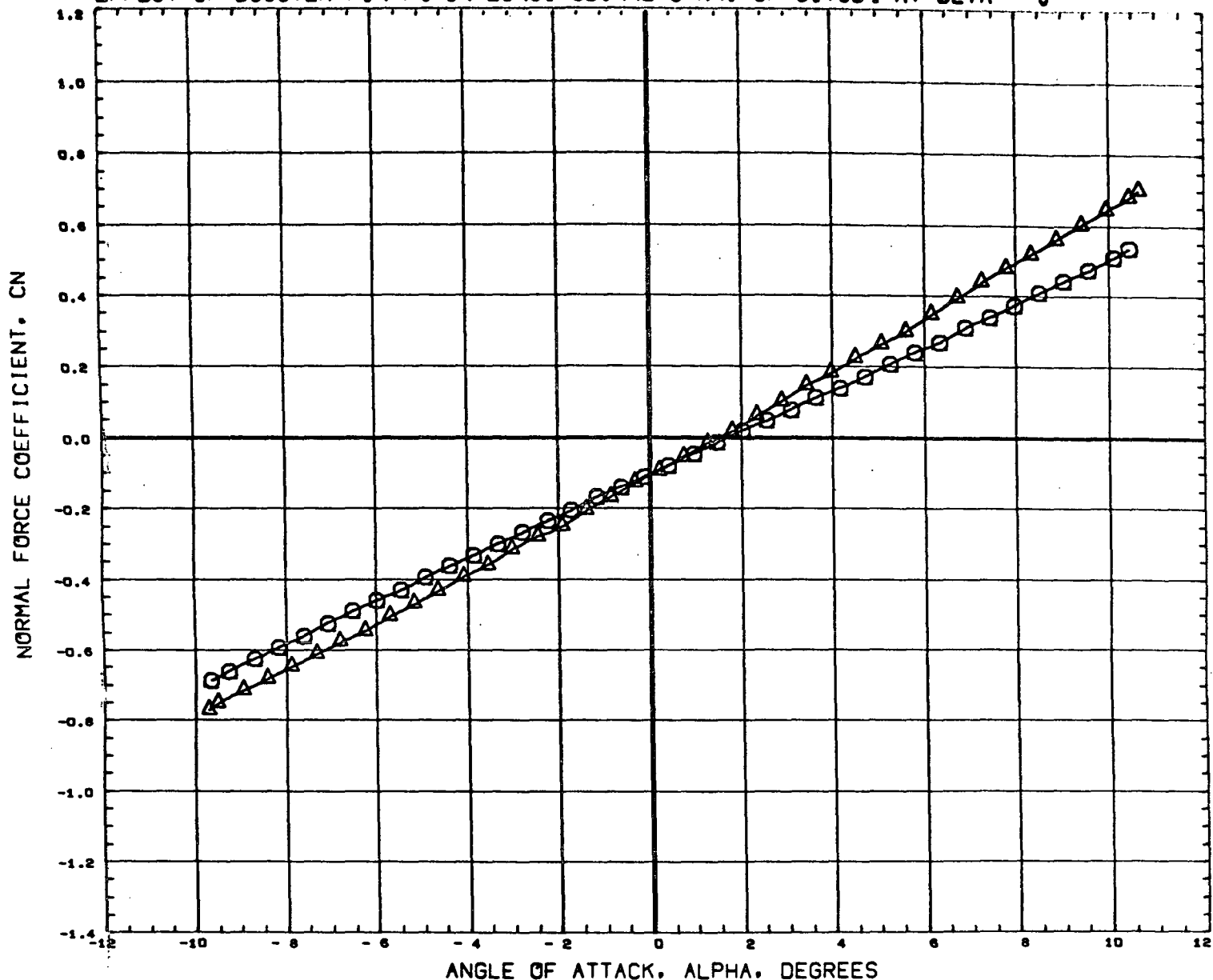
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-C6) O1T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-C6) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7320) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7326) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

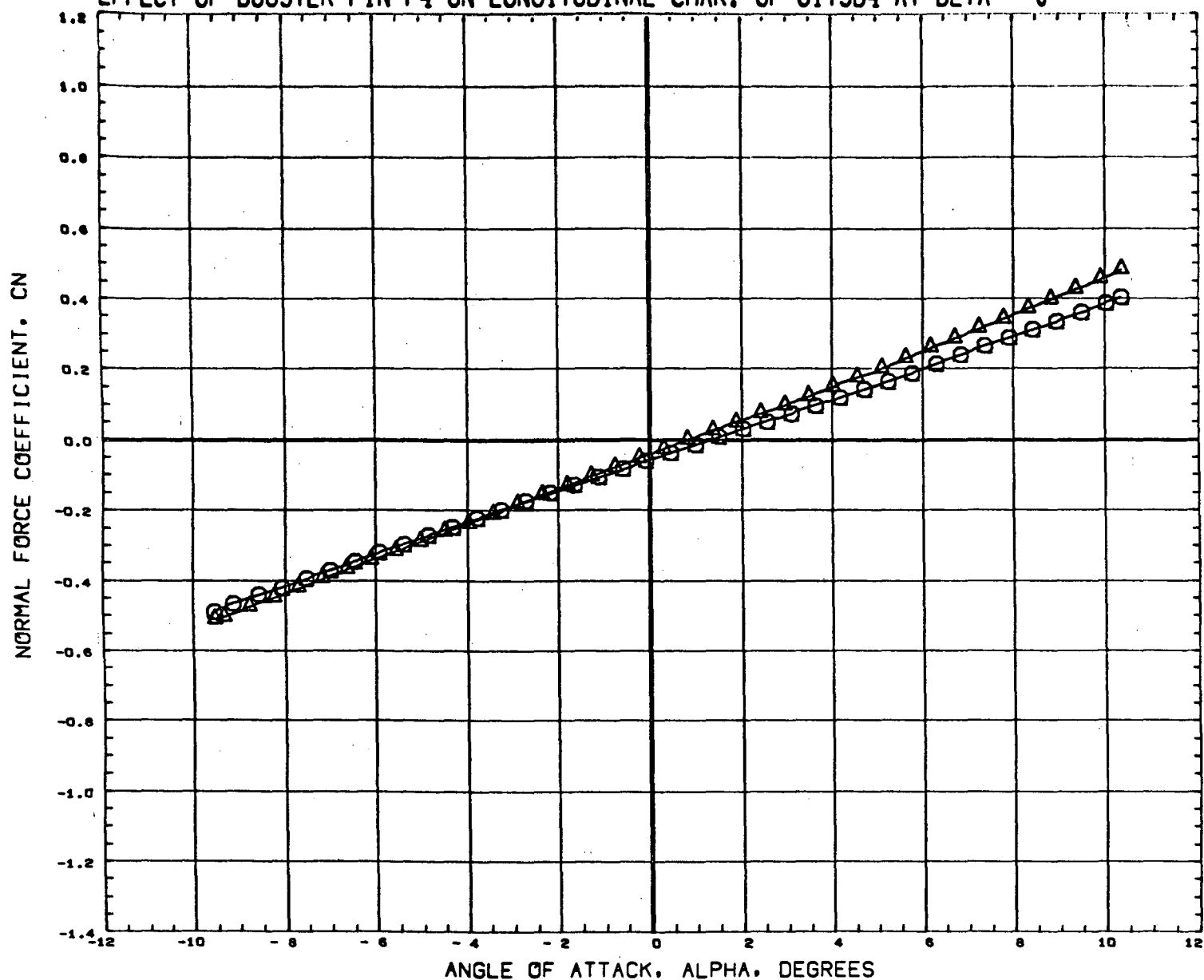
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH

2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



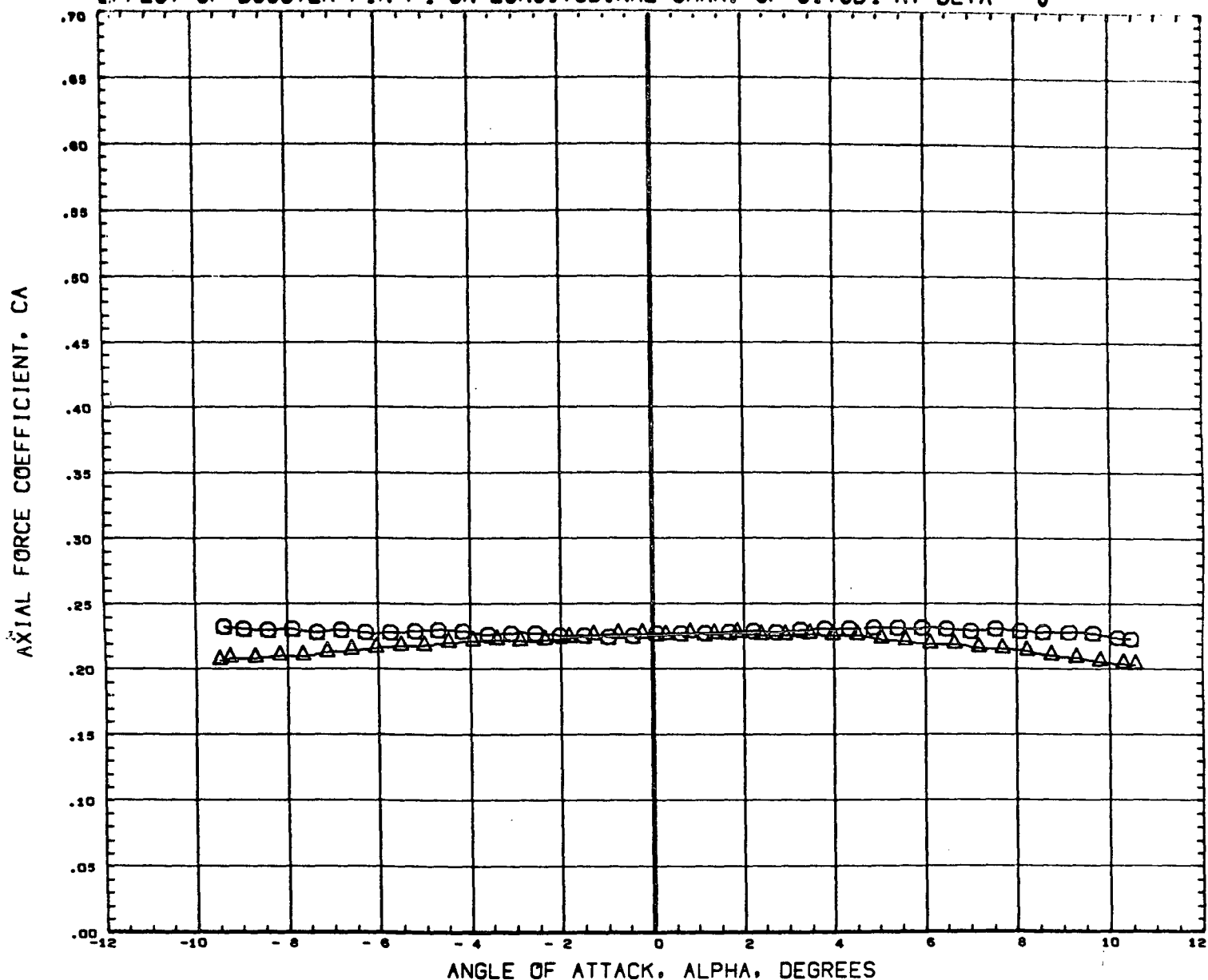
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7520) \bigcirc MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 487

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



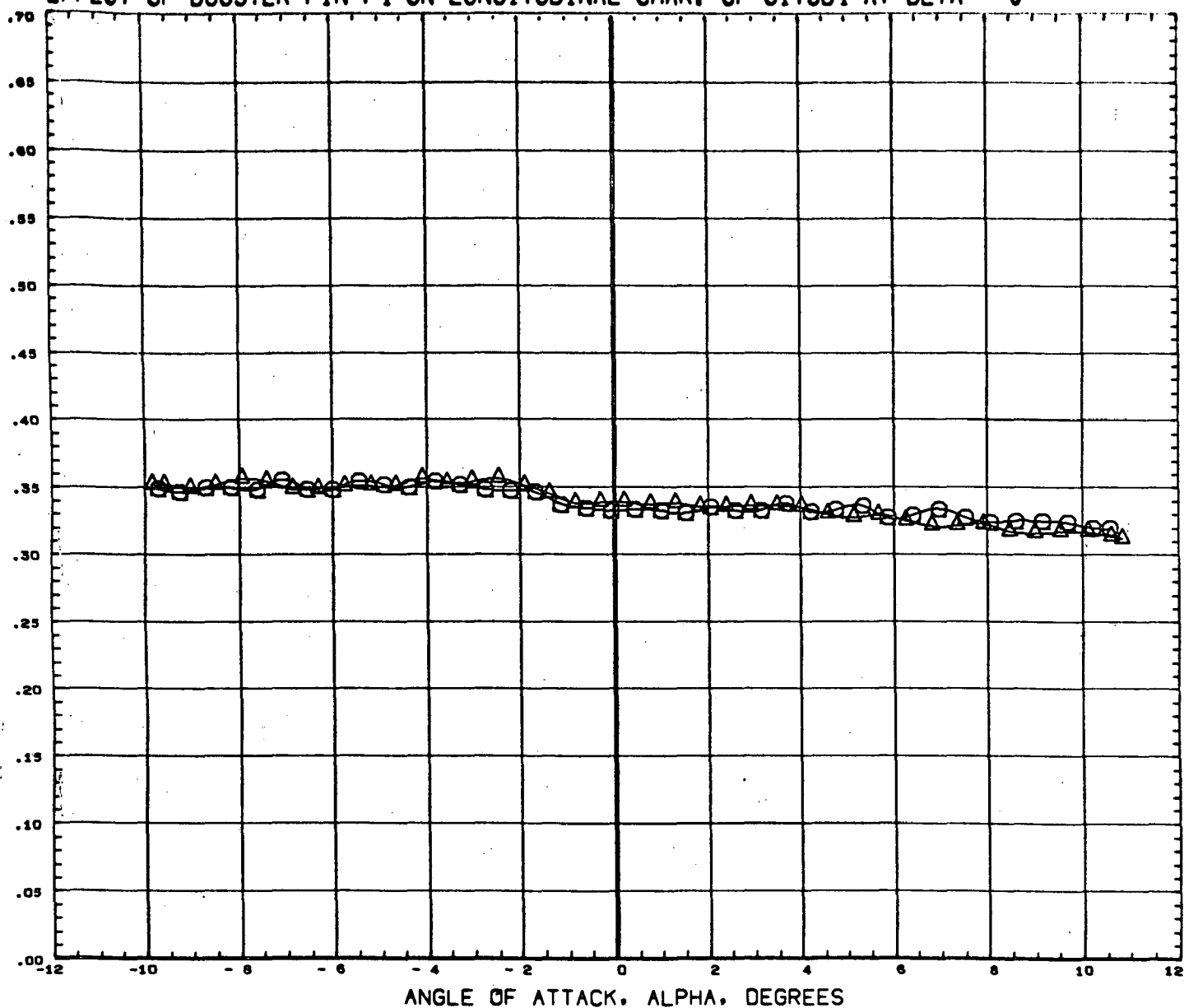
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 488

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



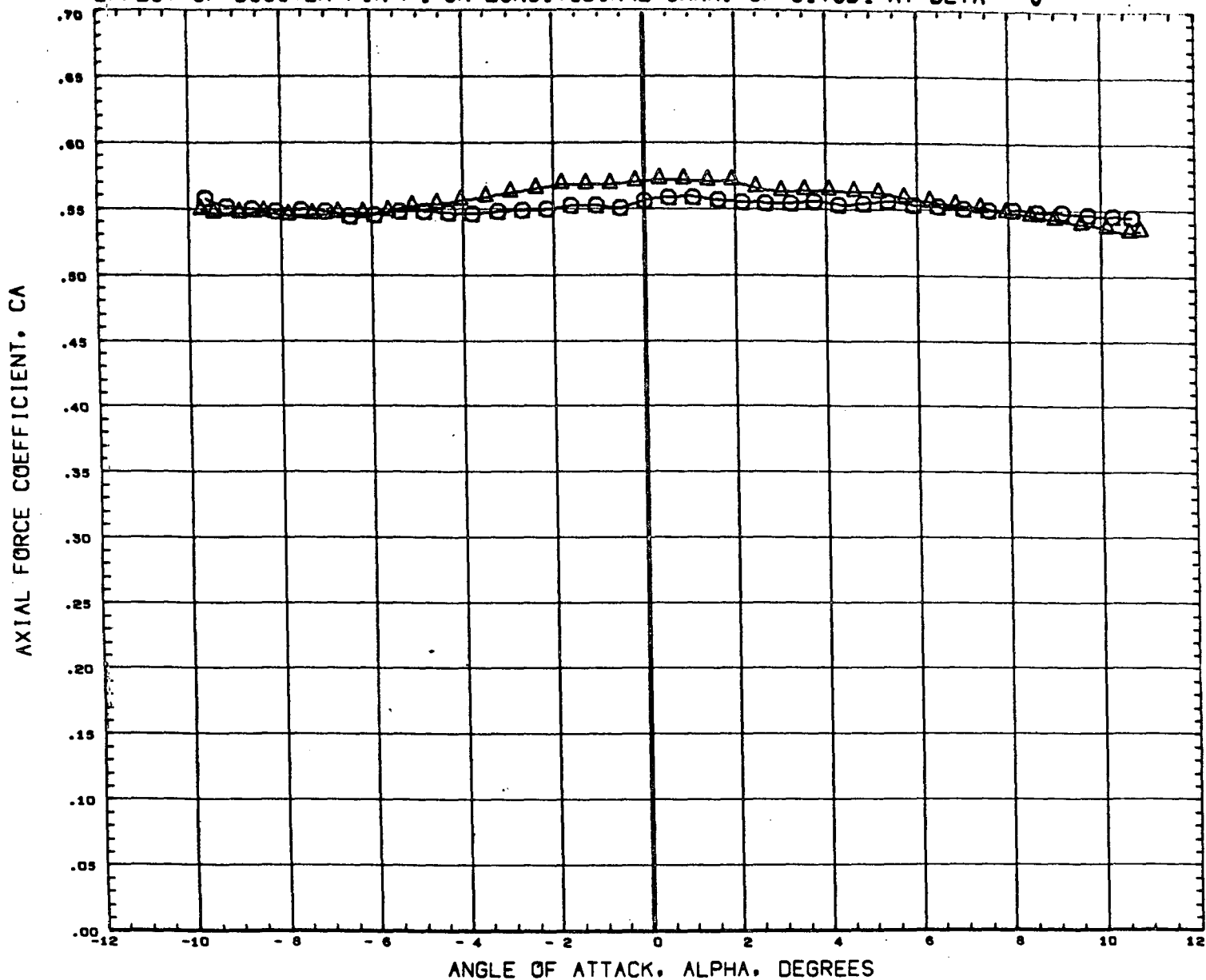
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 489

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

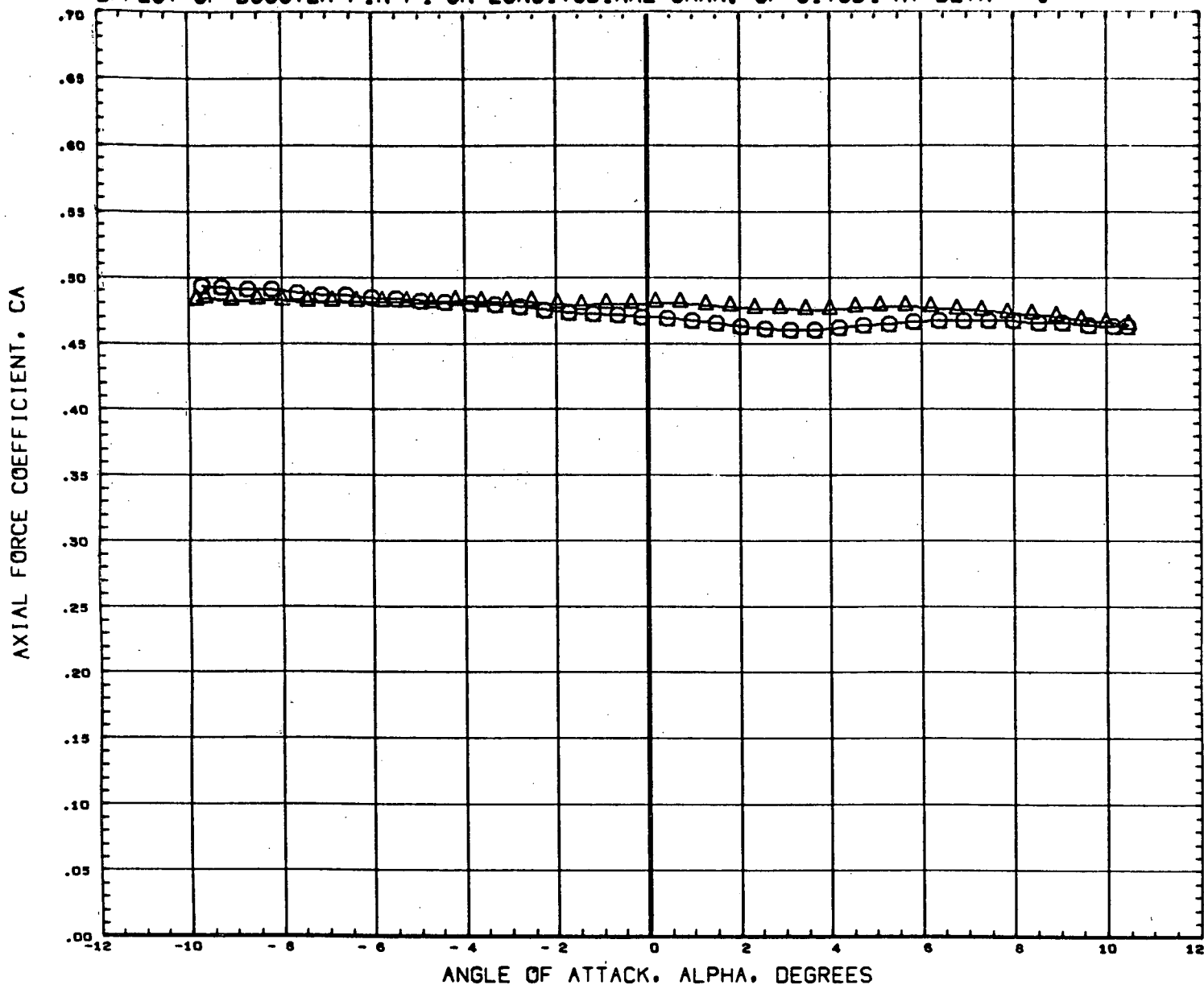


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)		MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)		MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 1.08

PAGE 490

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

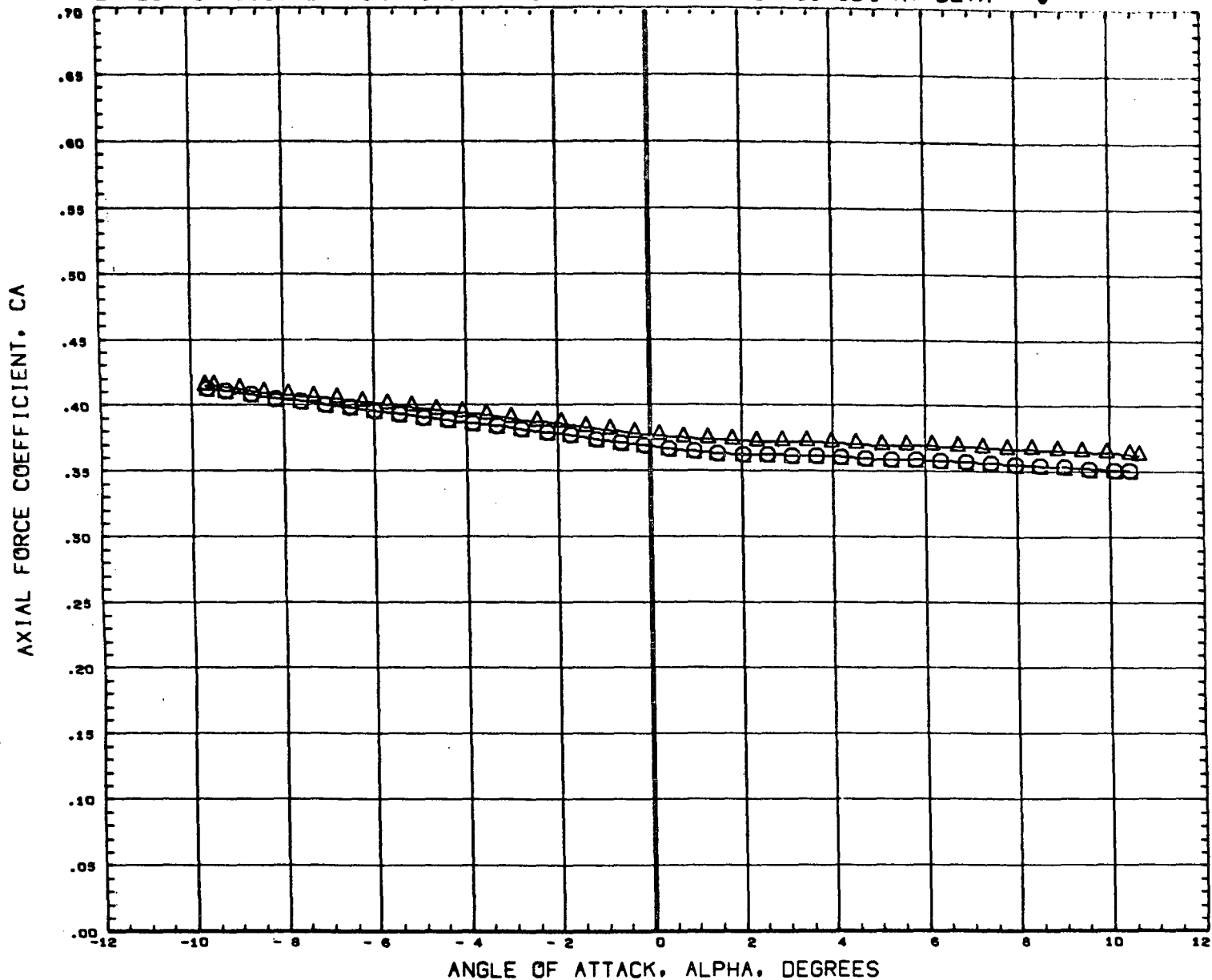


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 491

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

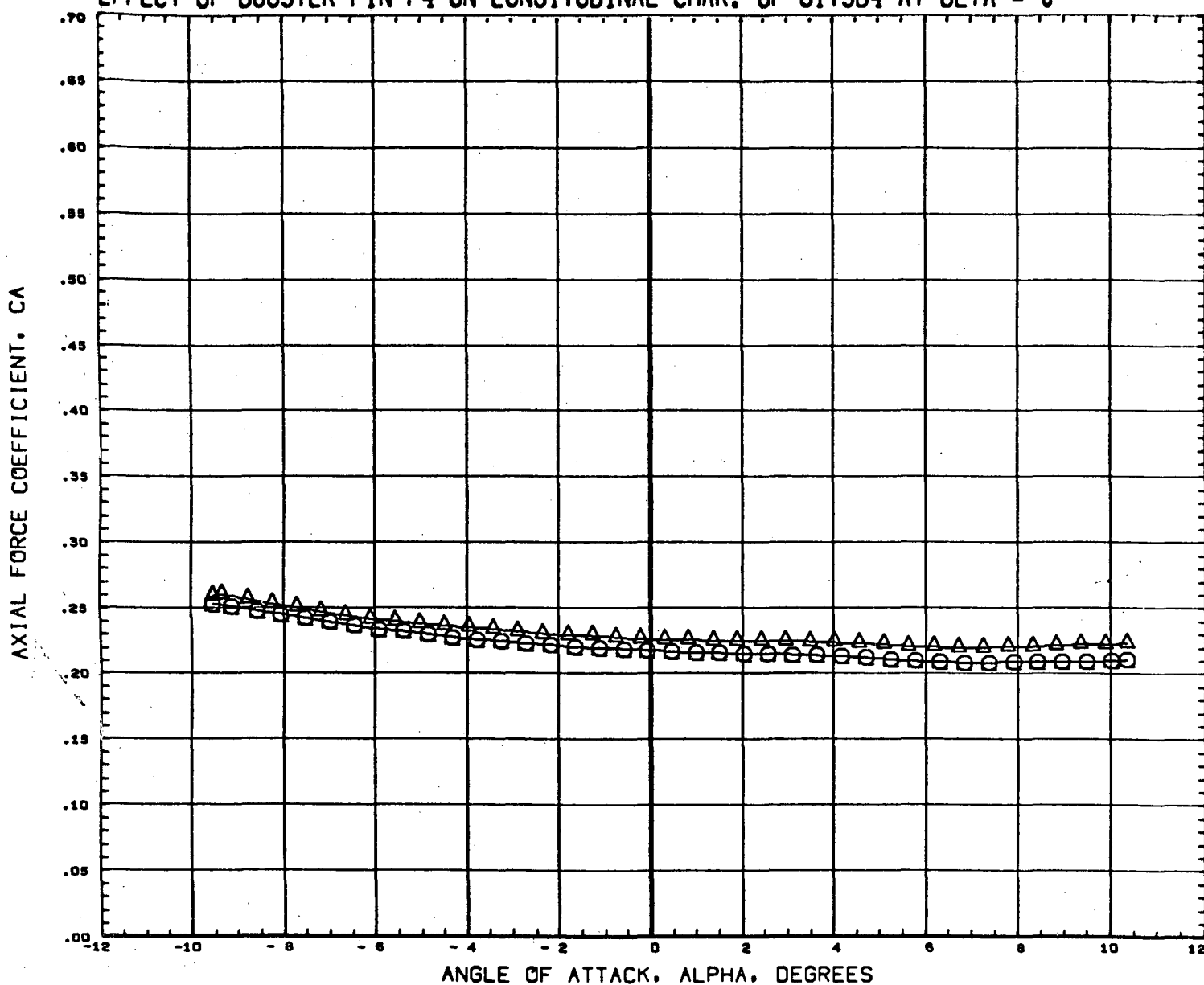


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 492

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

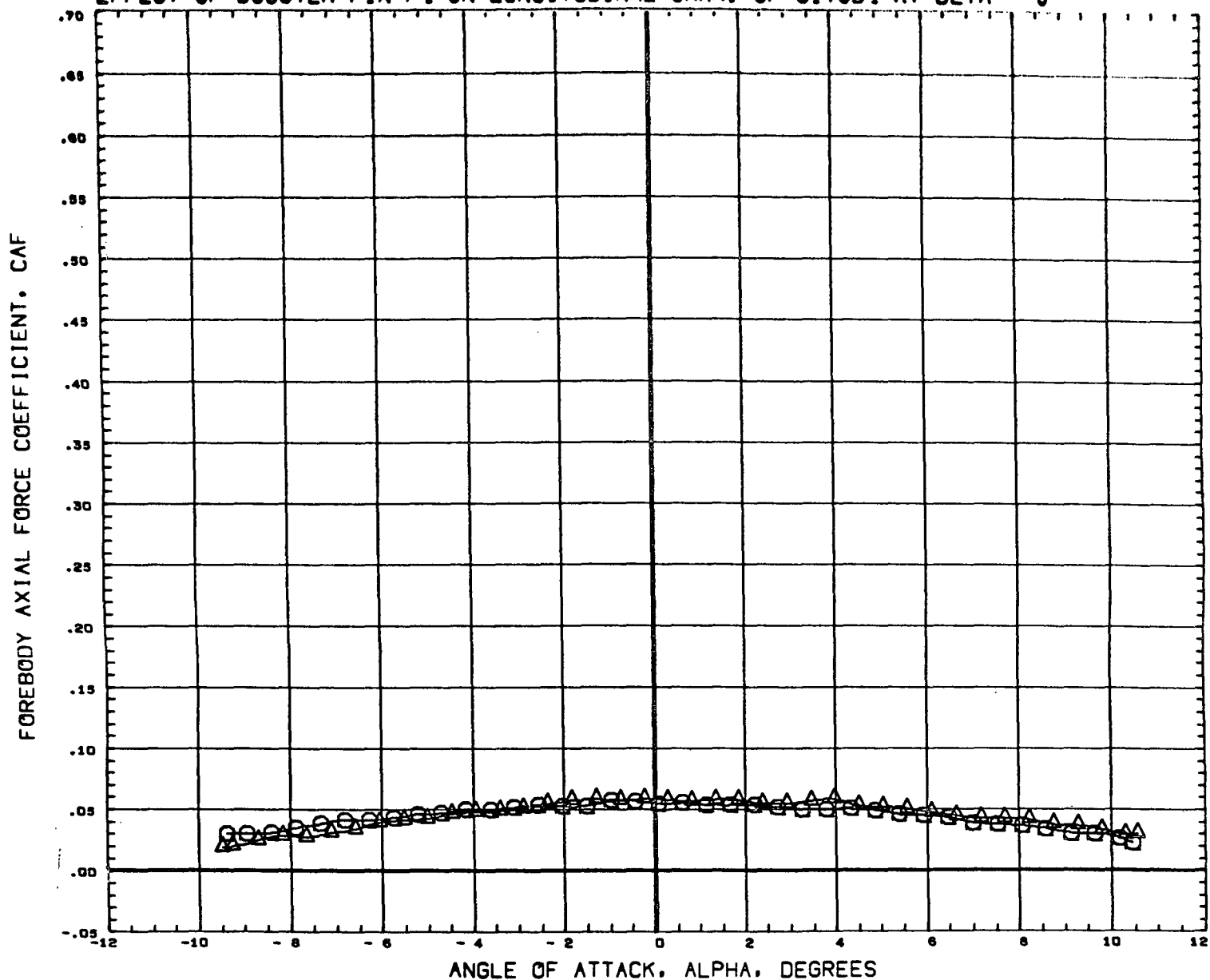


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 493

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

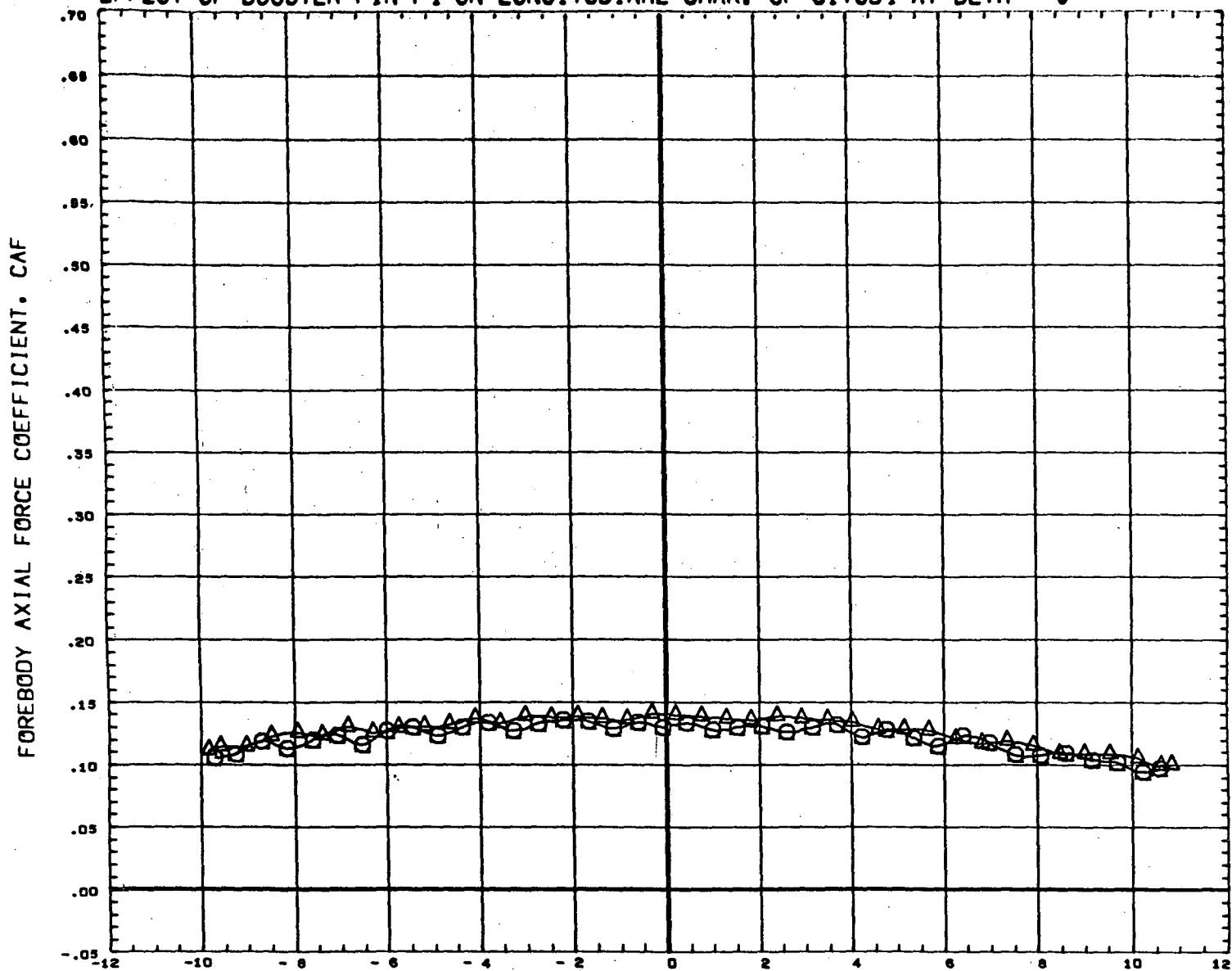


DATA SET SYMBOL. CONFIGURATION DESCRIPTION		BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF O1T3B4 AT BETA = 0



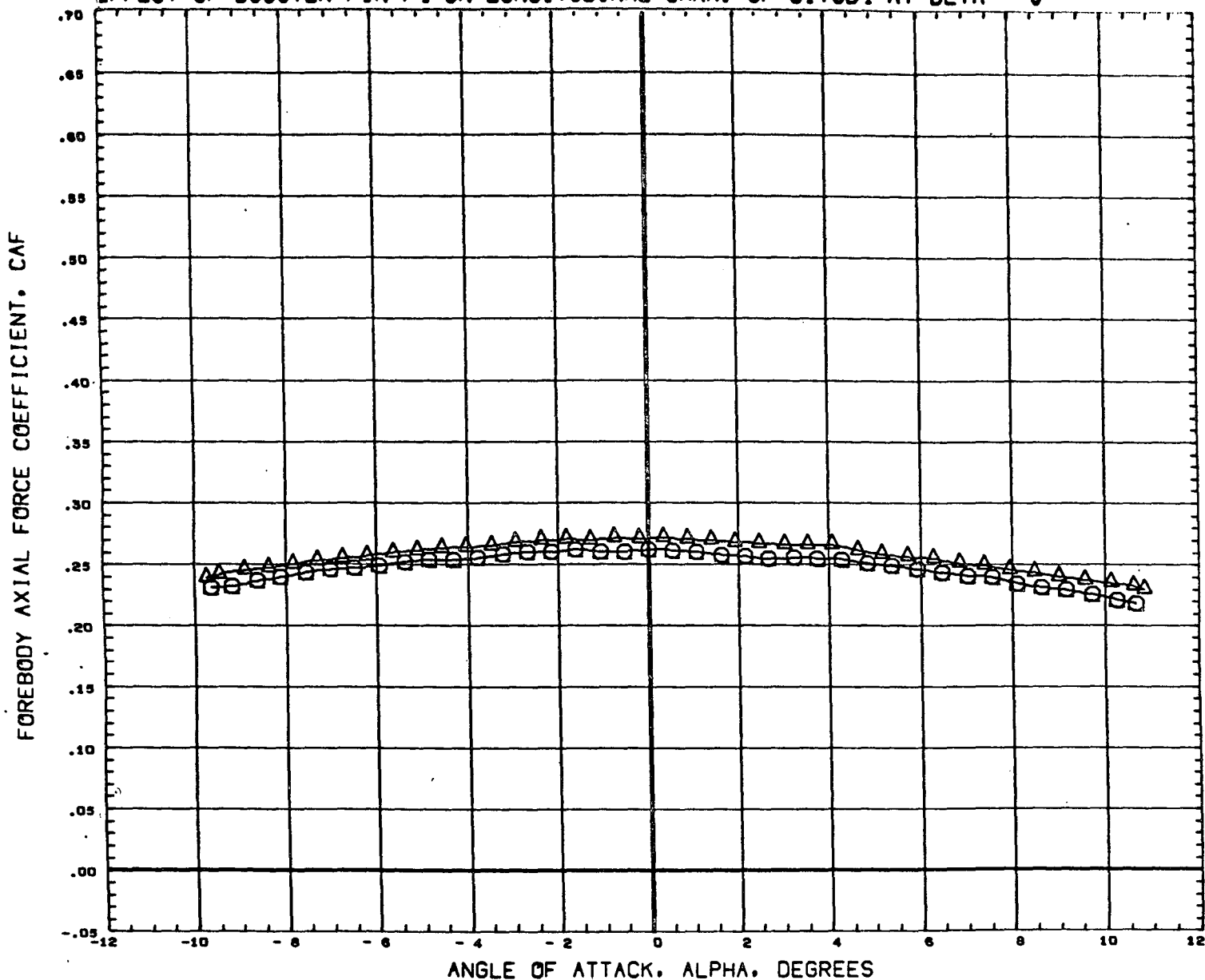
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) Q MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7526) A MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

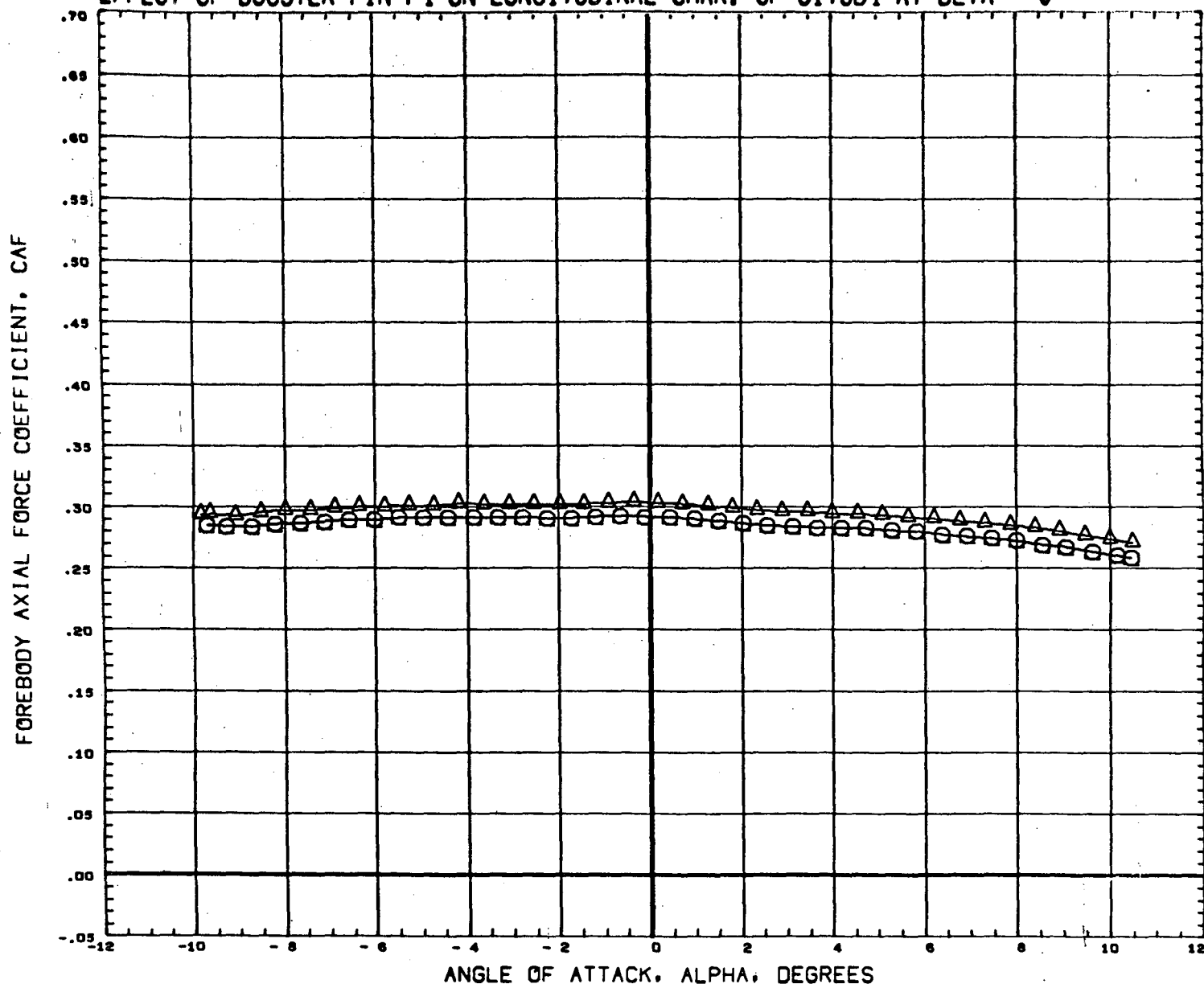
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMPP	557.0004 IN.
				YMPP	0.0000 IN.
				ZMPP	200.0004 IN.
				SCALE	0.0060

MACH

1.08

PAGE 496

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

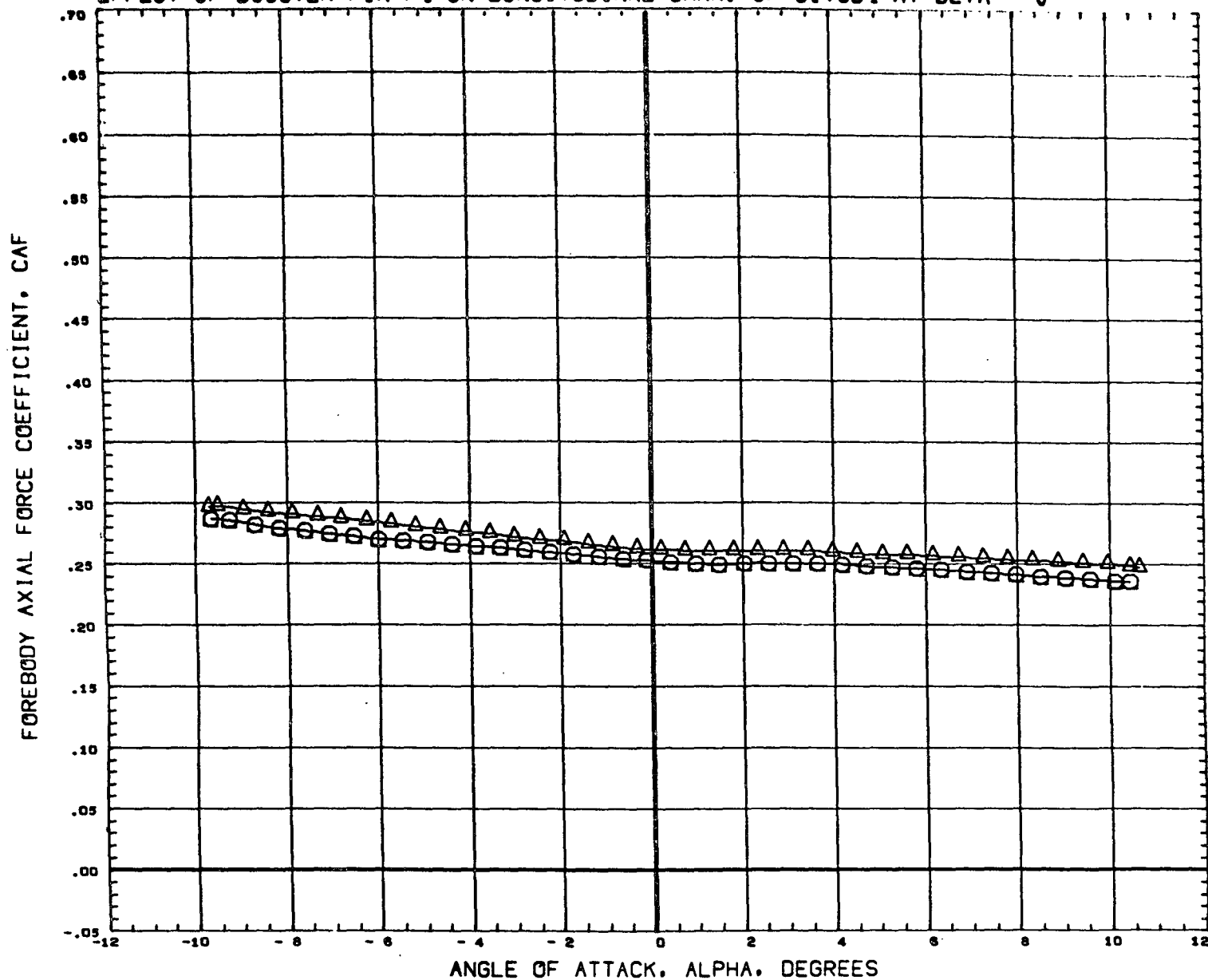


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 497

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

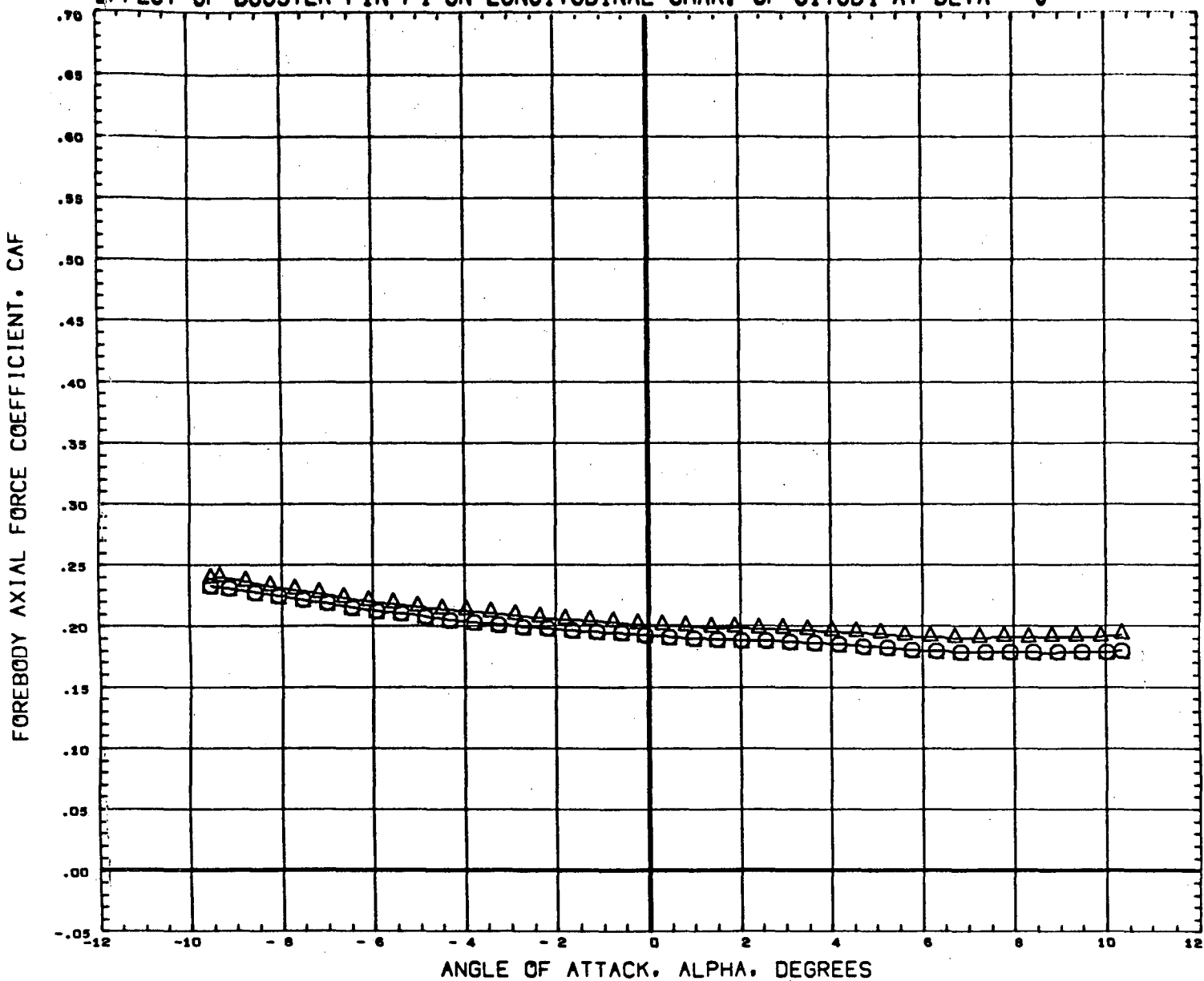


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 498

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

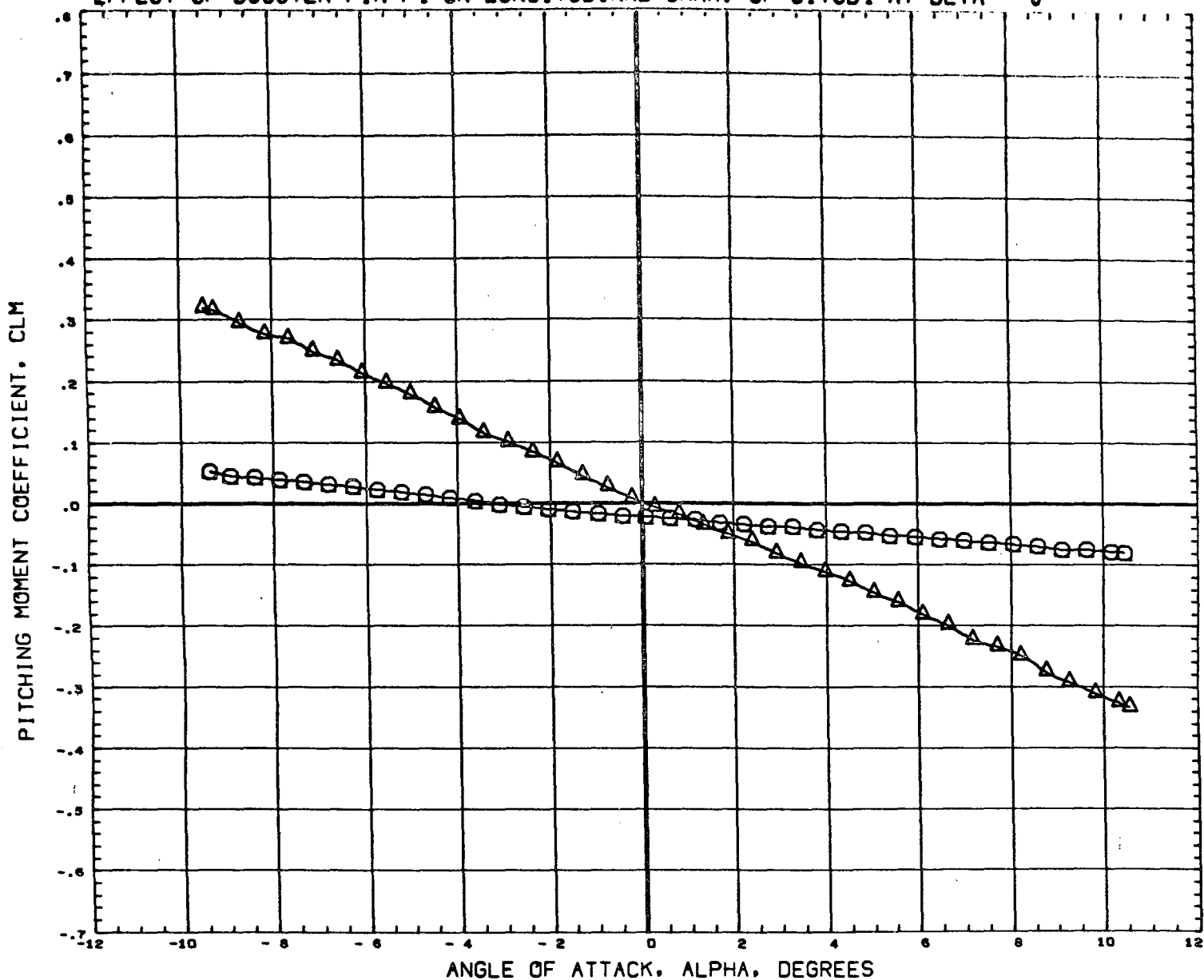


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7520)	MDAC S-222 COMPOSITE (T-C6) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ. FT.
(CD7526)	MDAC S-222 COMPOSITE (T-C6) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	537.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

PAGE 499

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



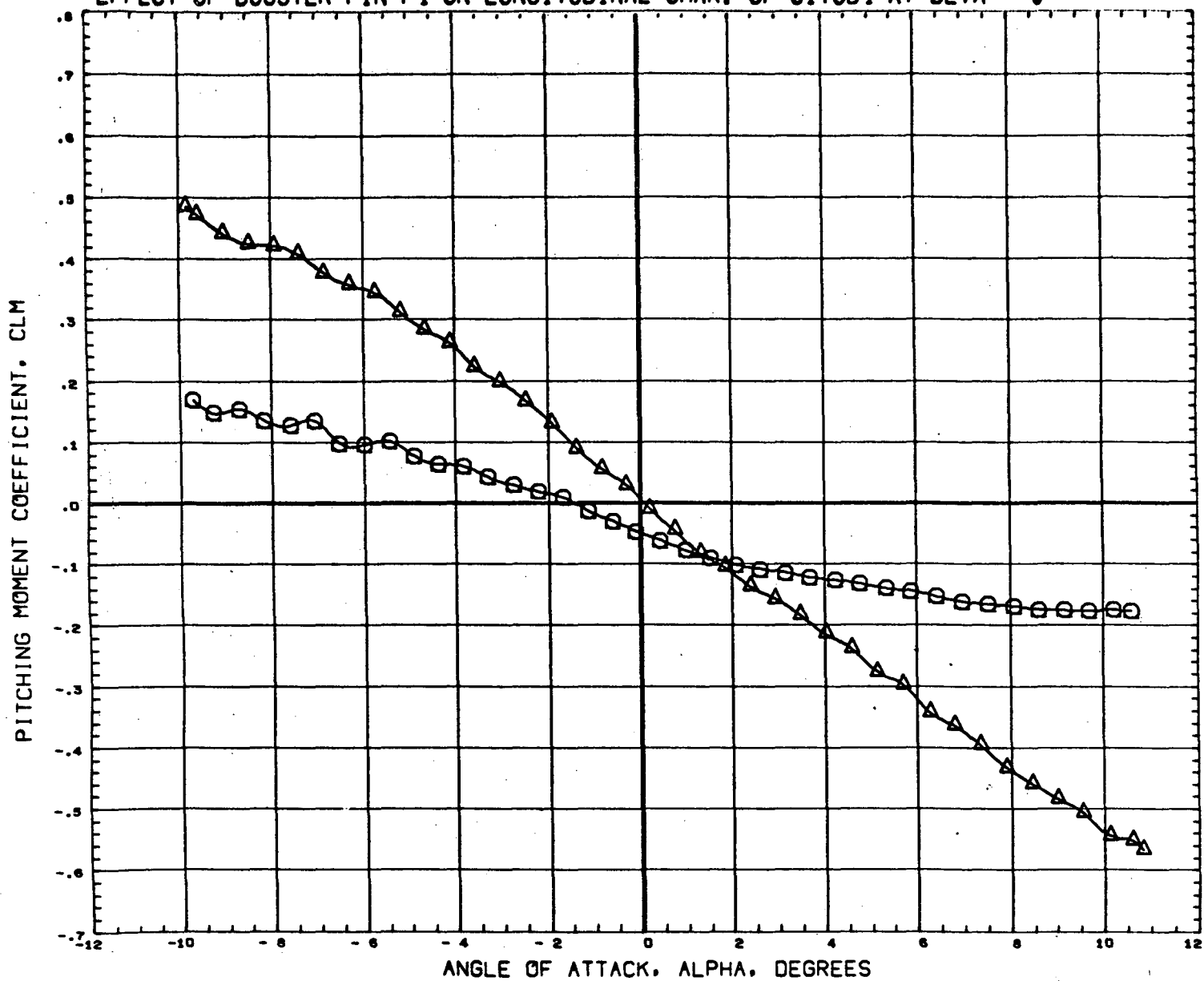
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	537.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH .58

PAGE 500

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



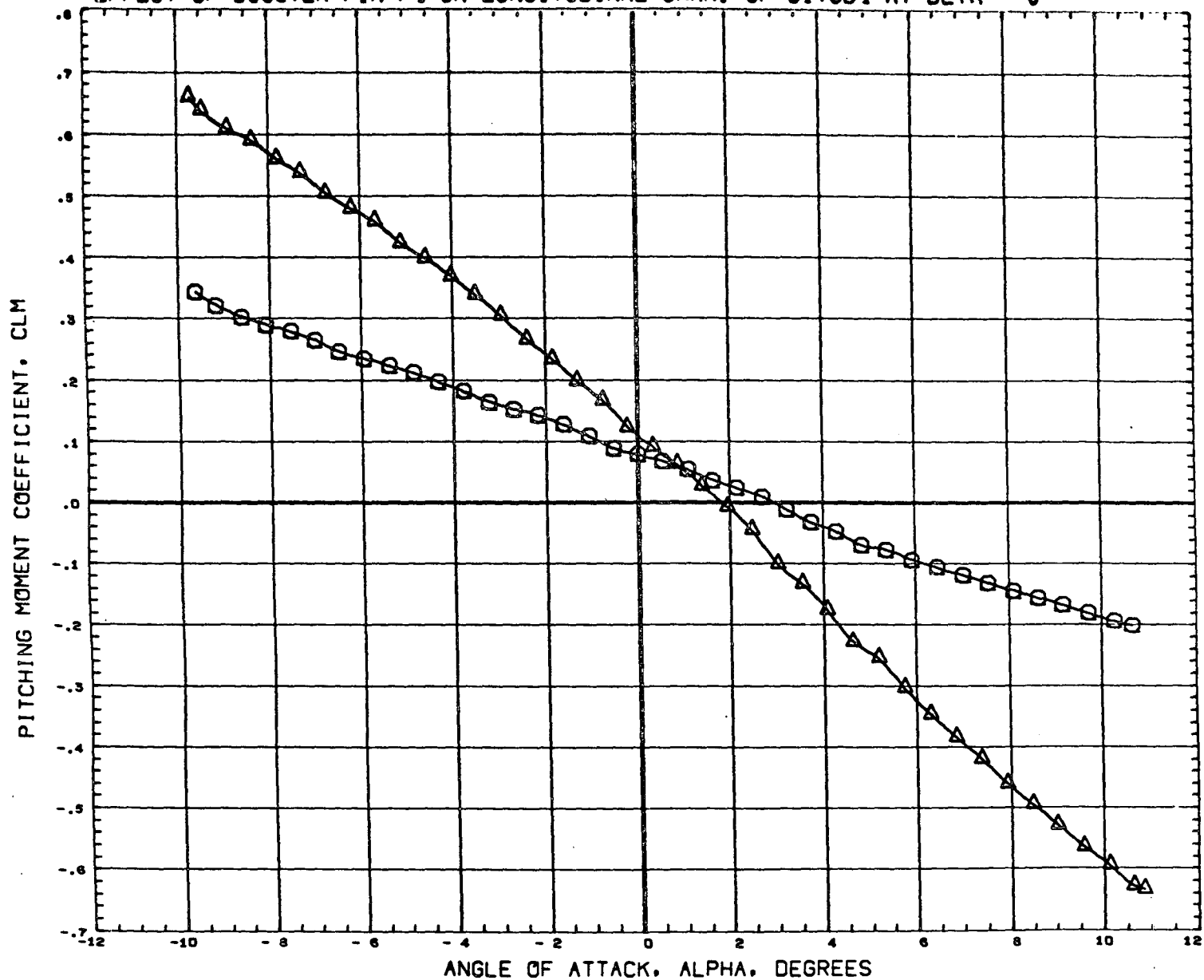
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 501

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

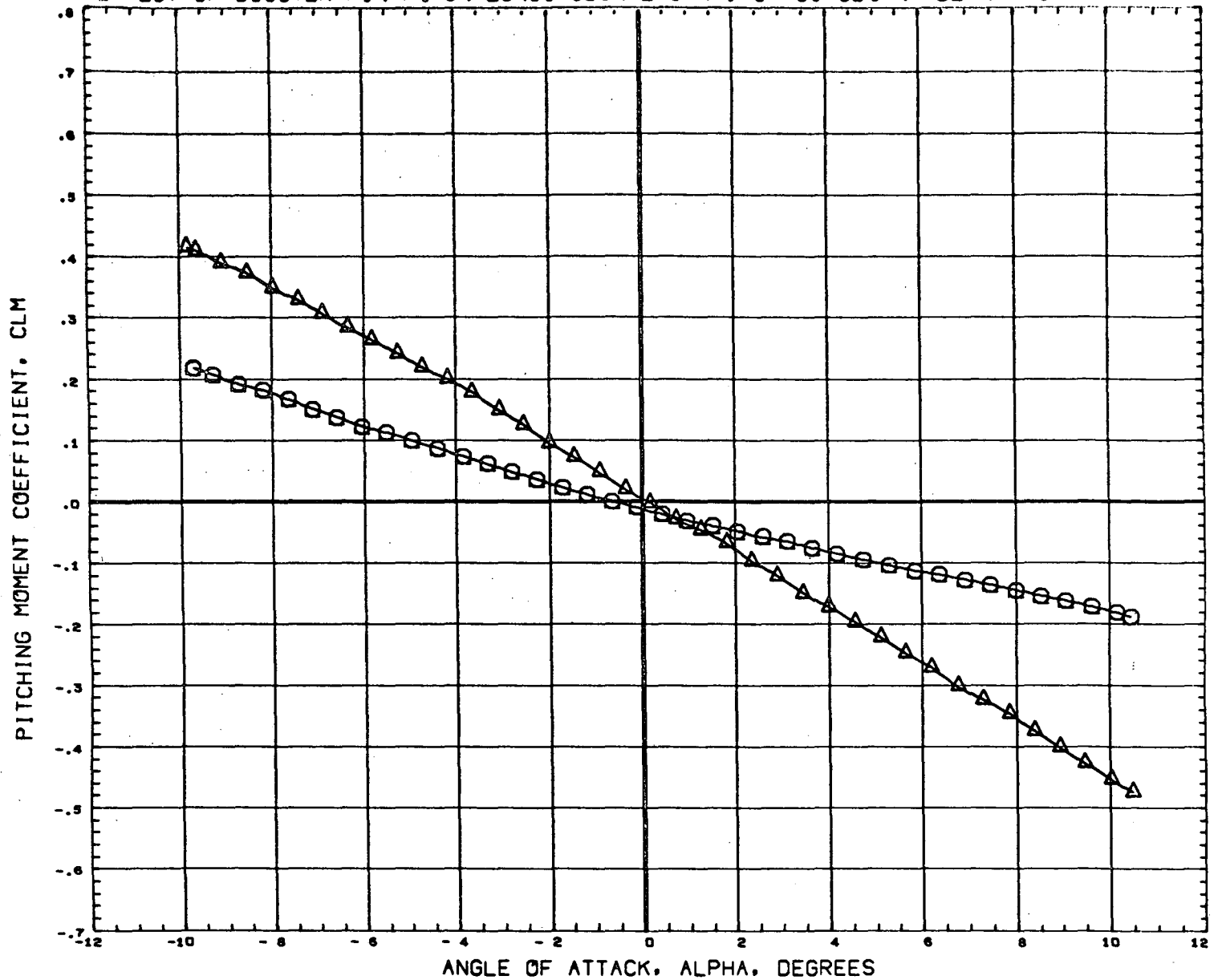


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 502

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



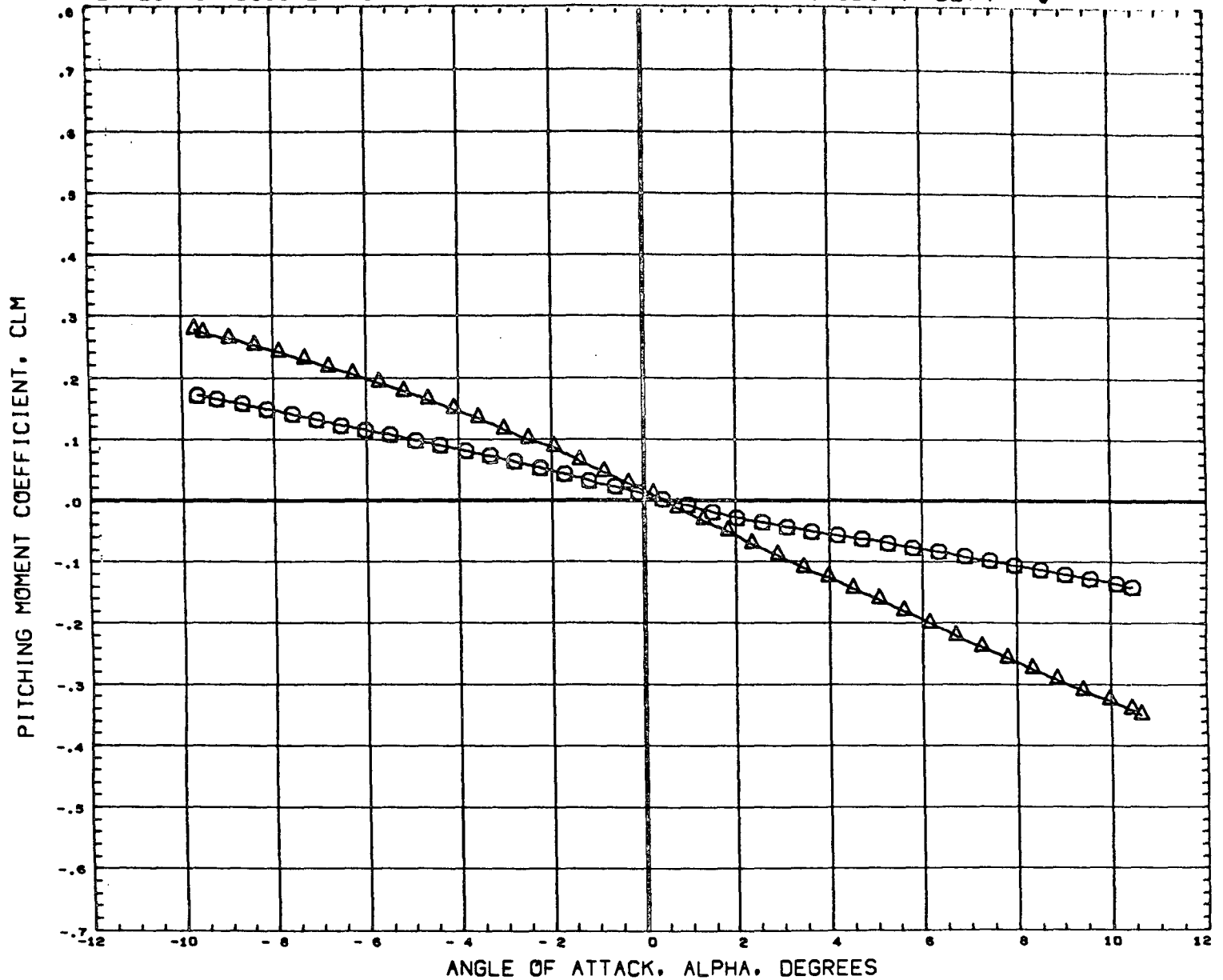
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 503

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

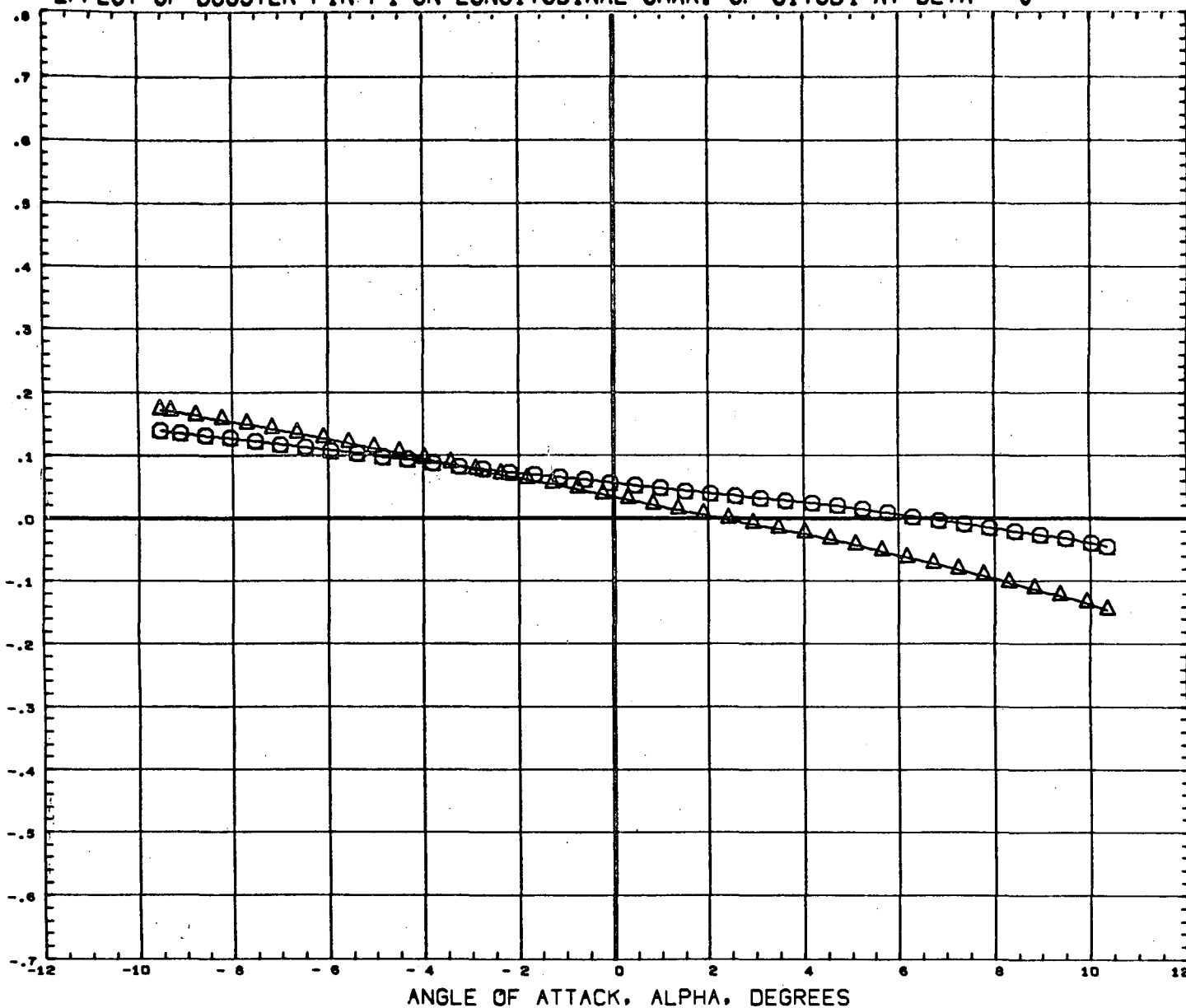
REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 2.20

PAGE 504

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-C6) 01T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-C6) 01T3B4F4

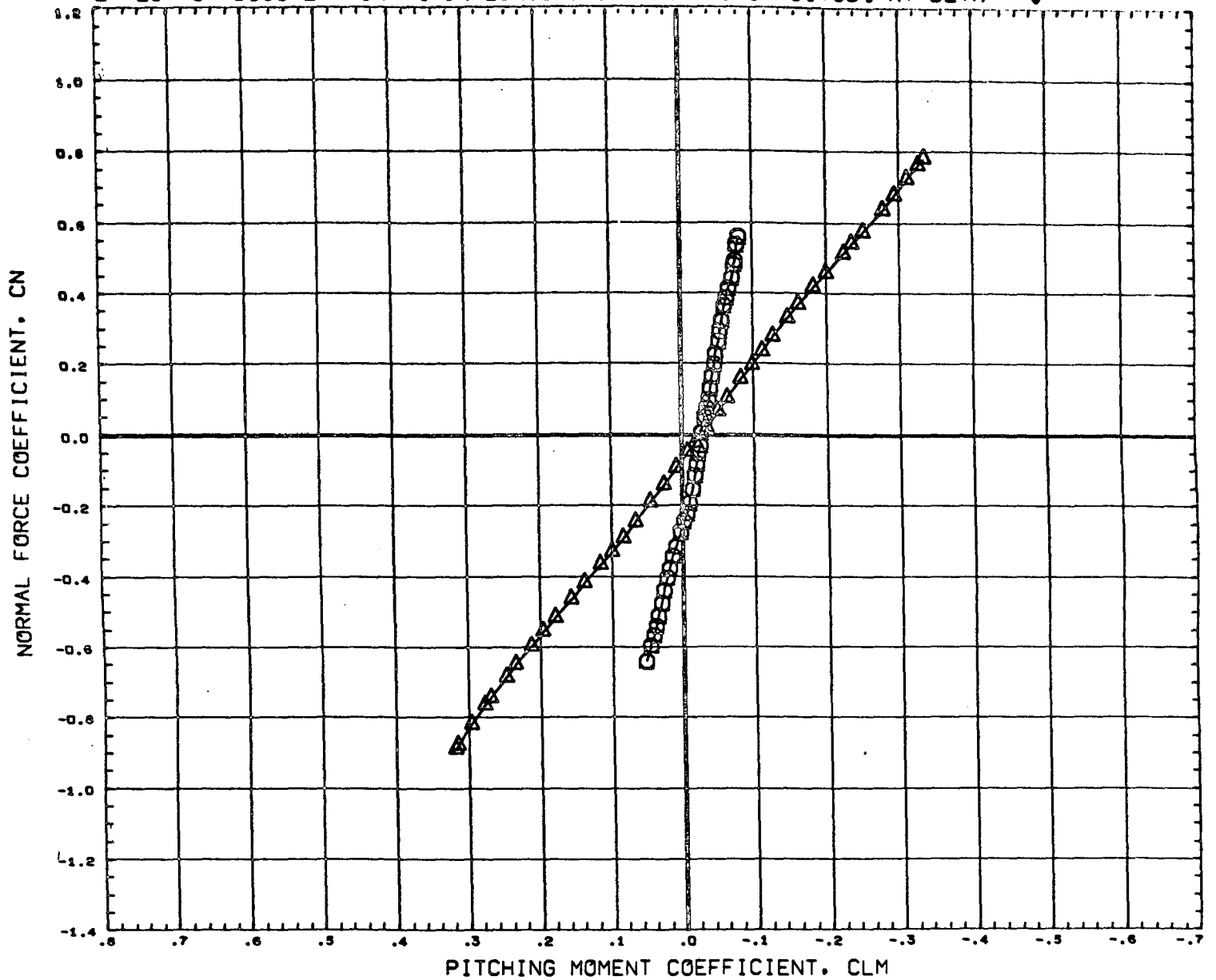
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMHP	557.0004 IN.
				YMHP	0.0000 IN.
				ZMHP	200.0004 IN.
				SCALE	0.0060

MACH

4.47

PAGE 505

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

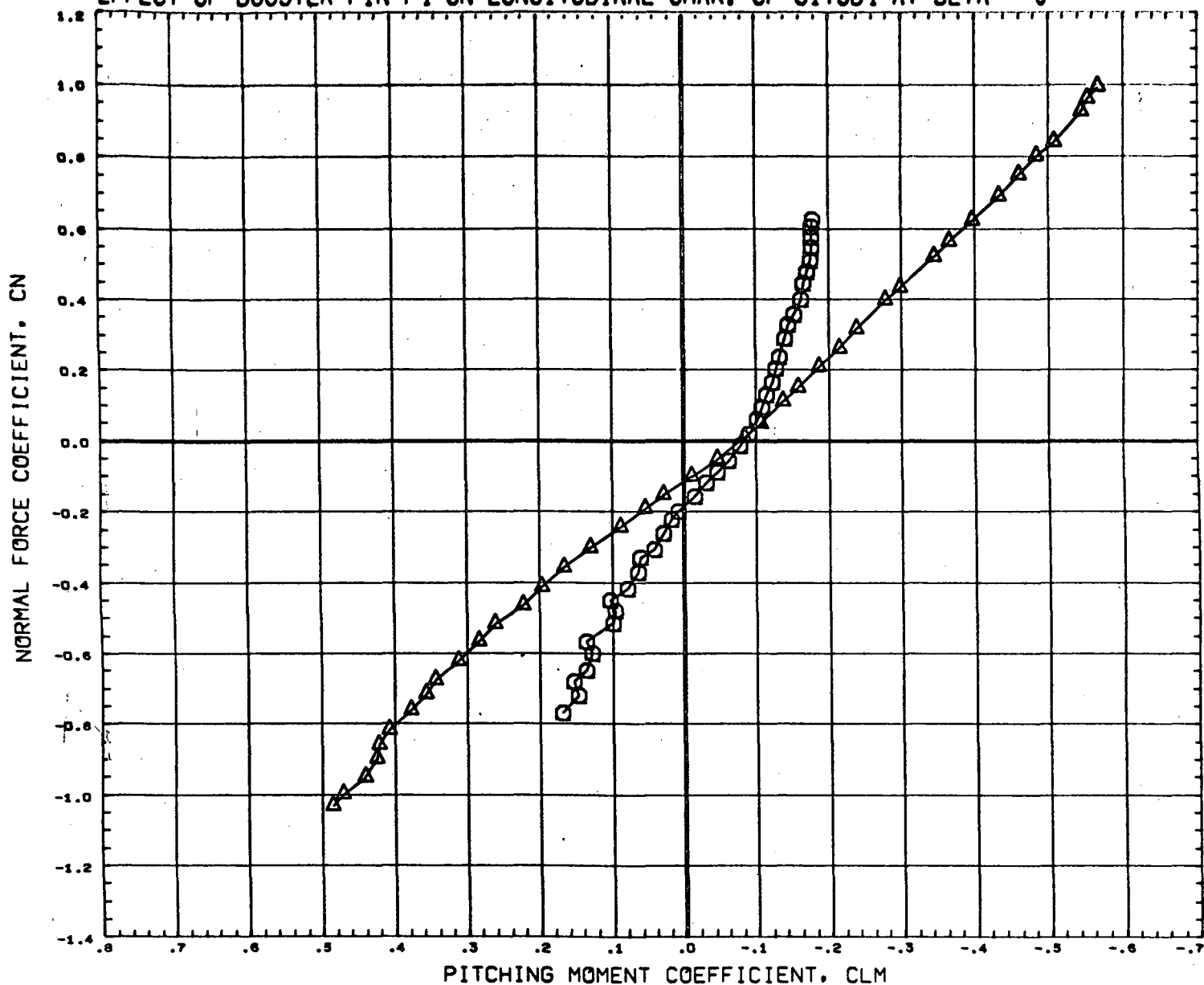


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 506

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



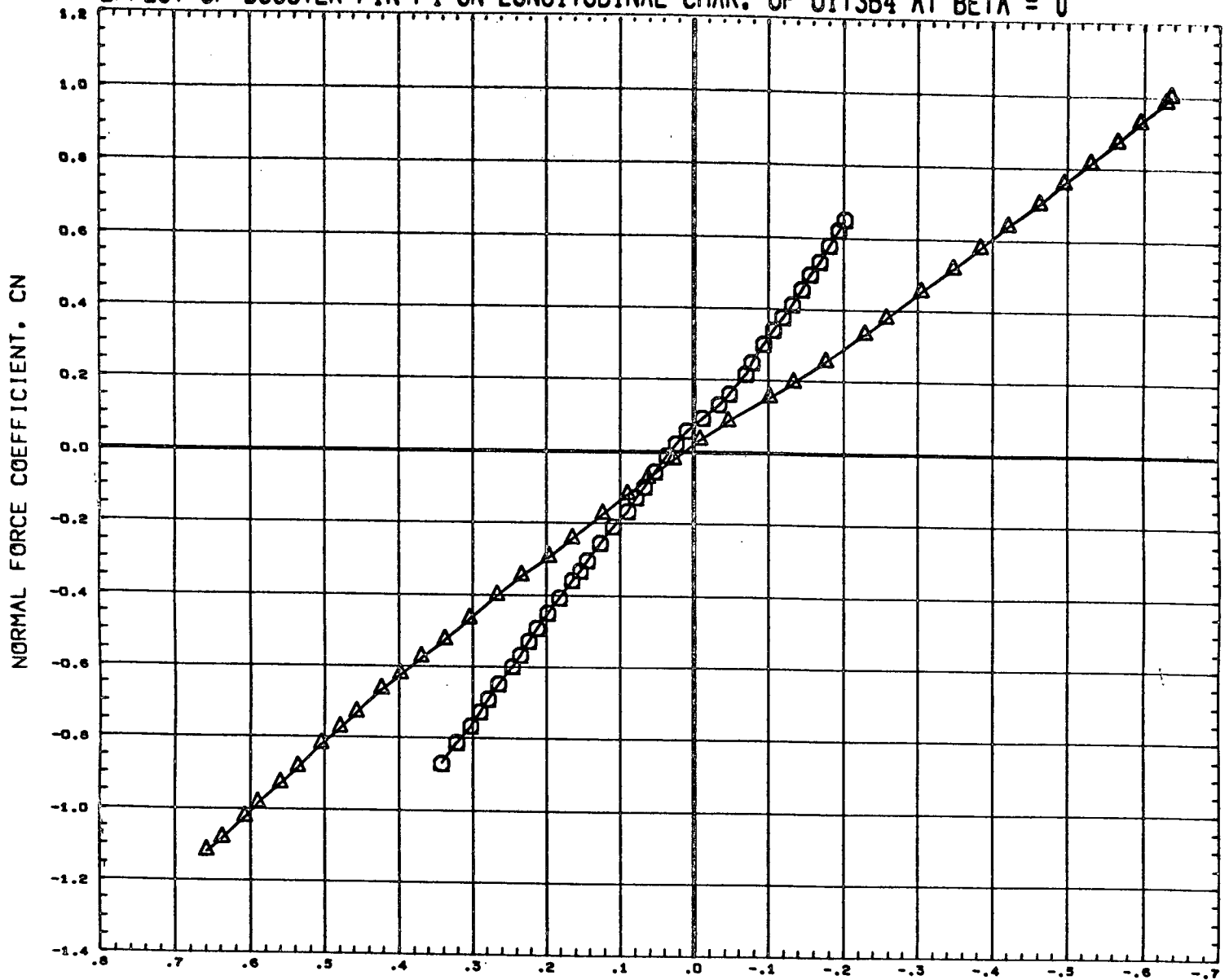
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
0.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMPP	557.0004 IN.
				YMPP	0.0000 IN.
				ZMPP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 507

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



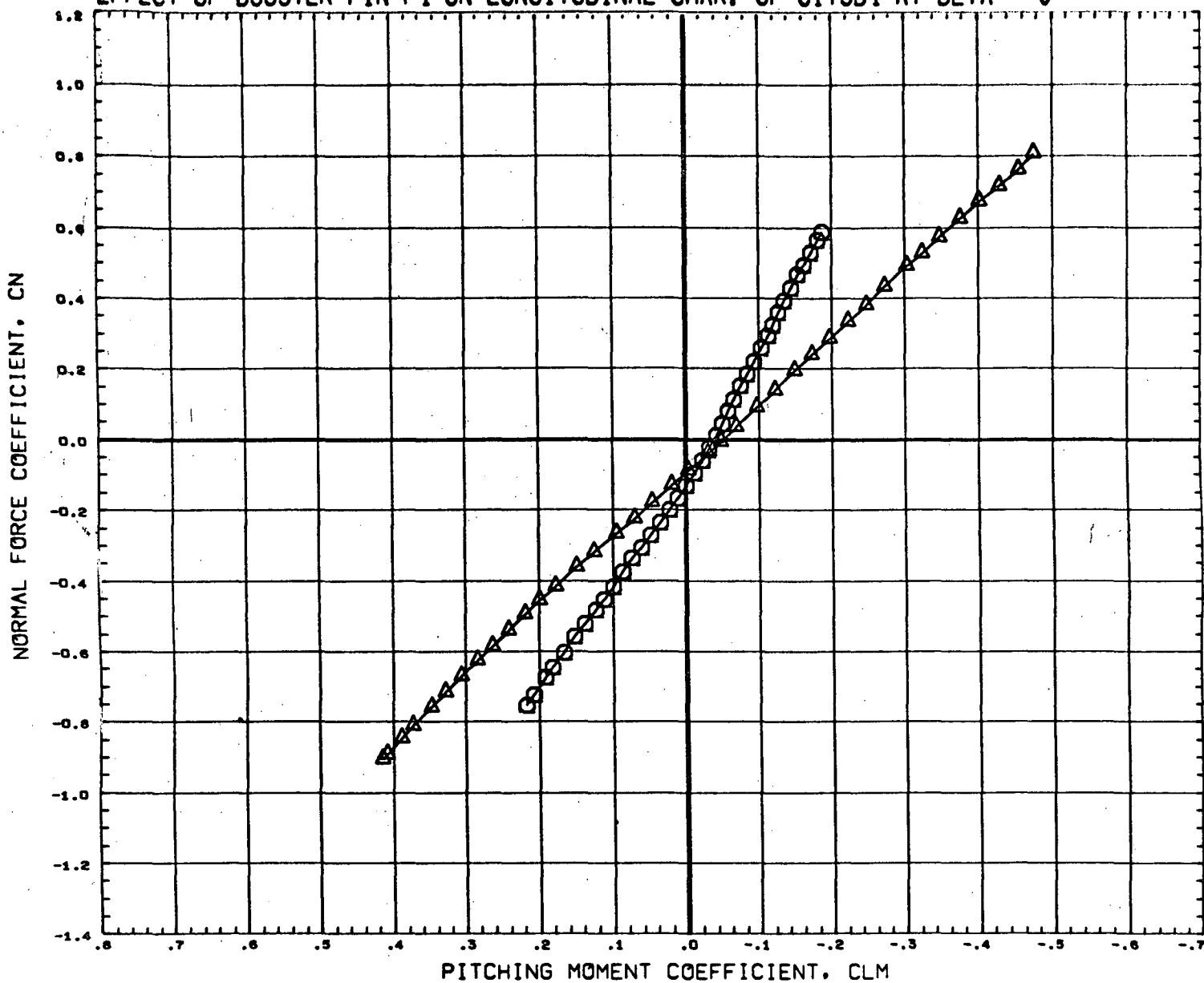
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE(T-CG) 01T3B4
 (CD7526) △ MDAC S-222 COMPOSITE(T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XM RP	537.0004 IN.
				YM RP	0.0000 IN.
				ZM RP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 508

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

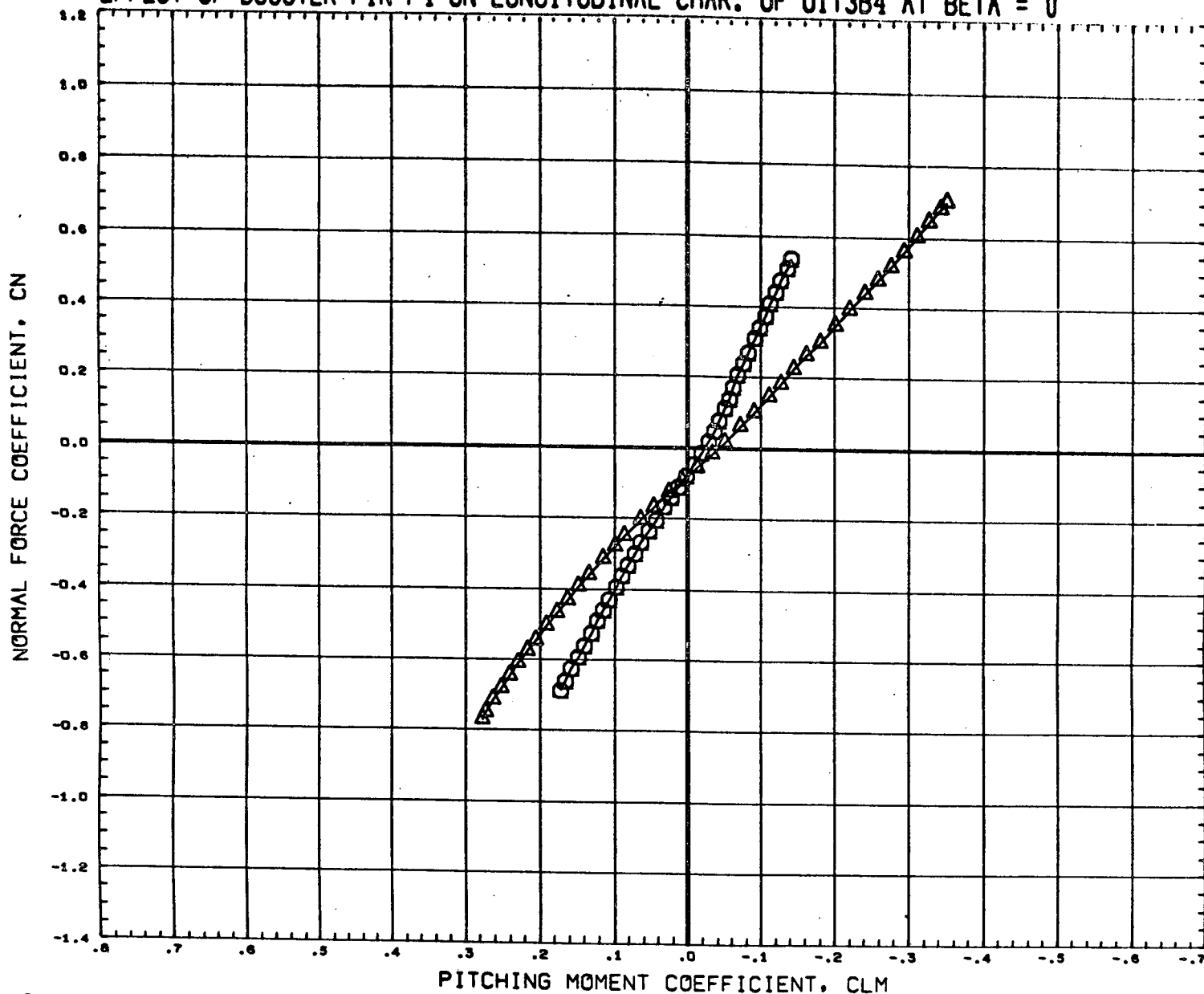


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



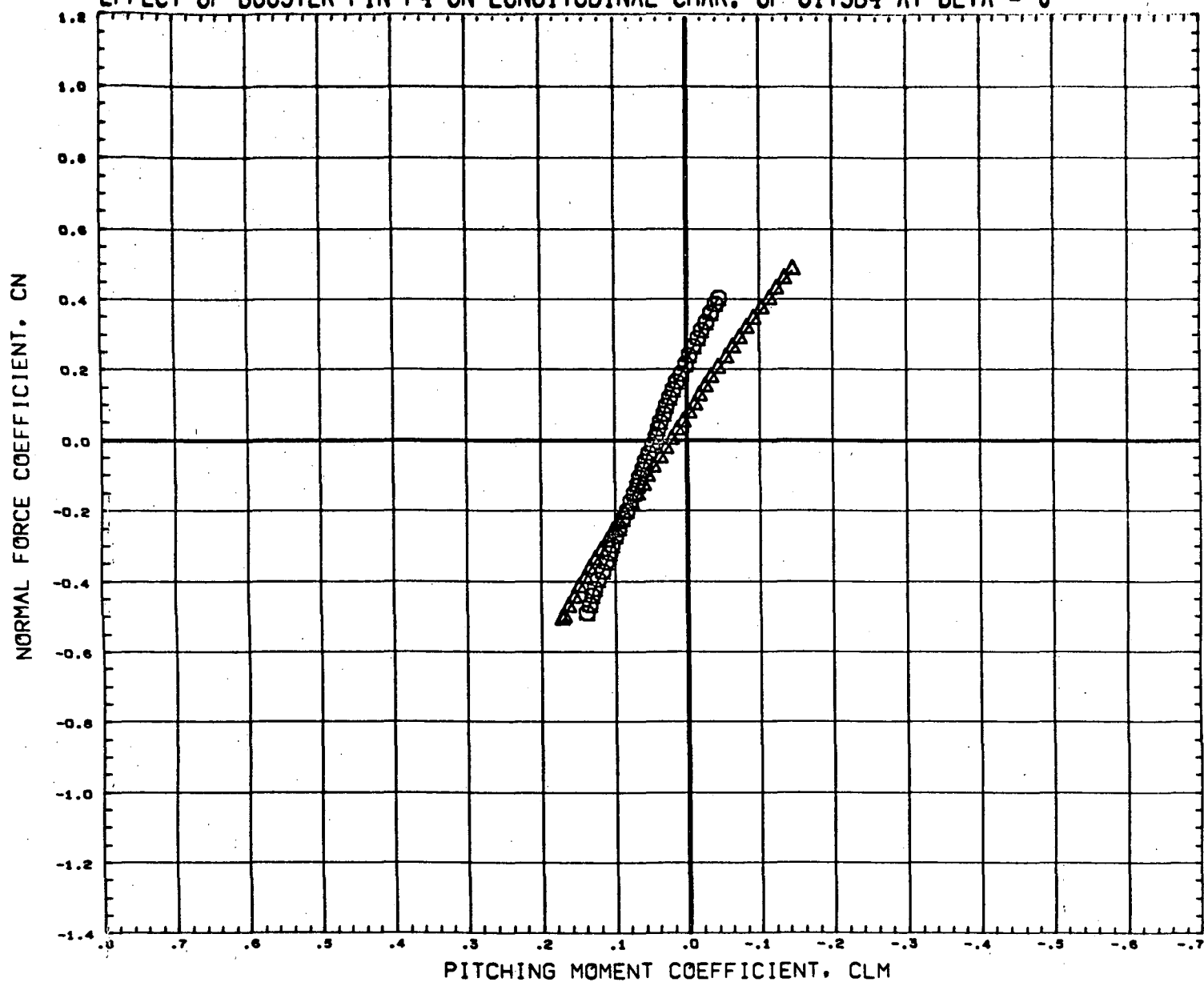
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (C07520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (C07526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



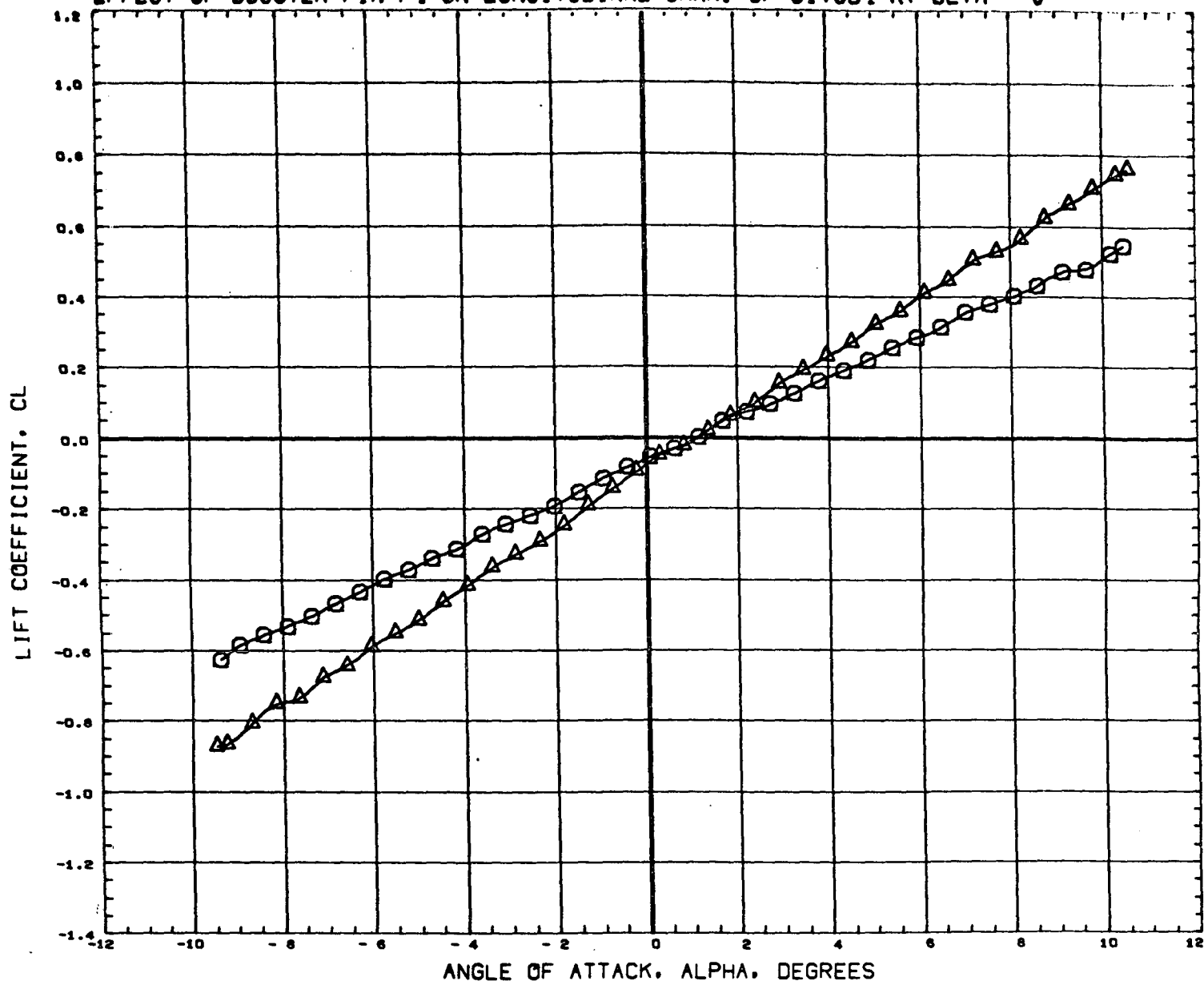
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 511

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



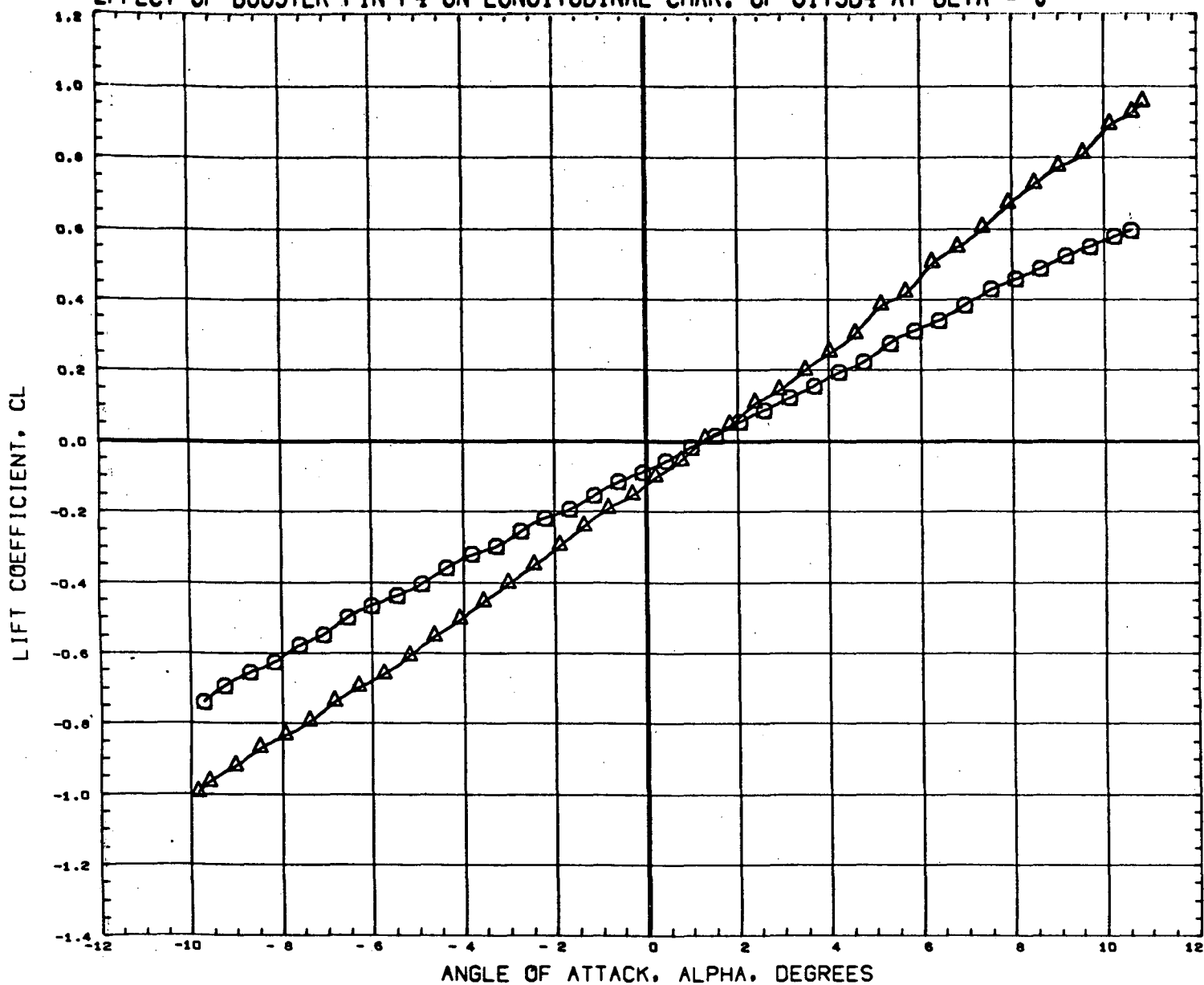
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

PAGE 512

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

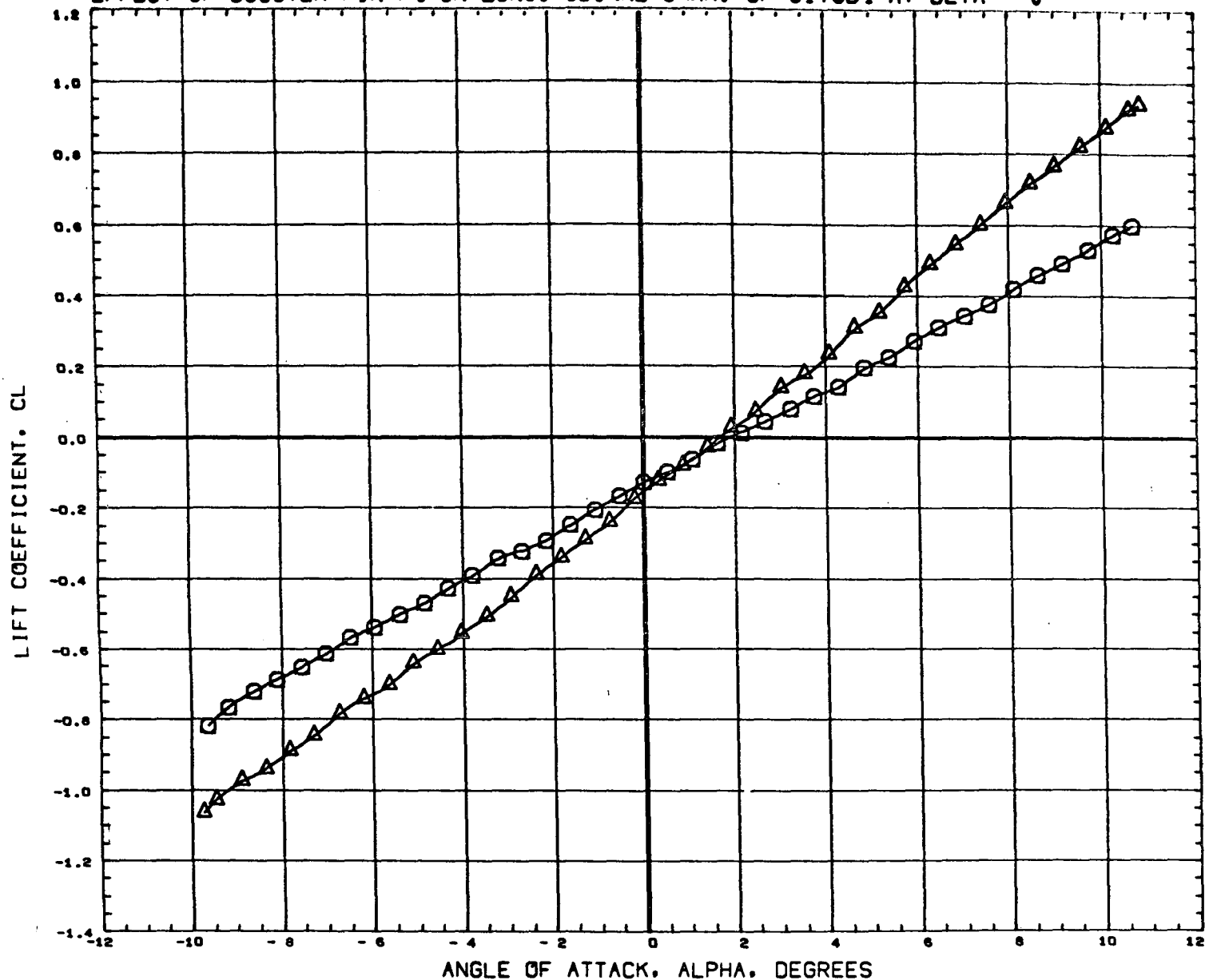


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .89

PAGE 513

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



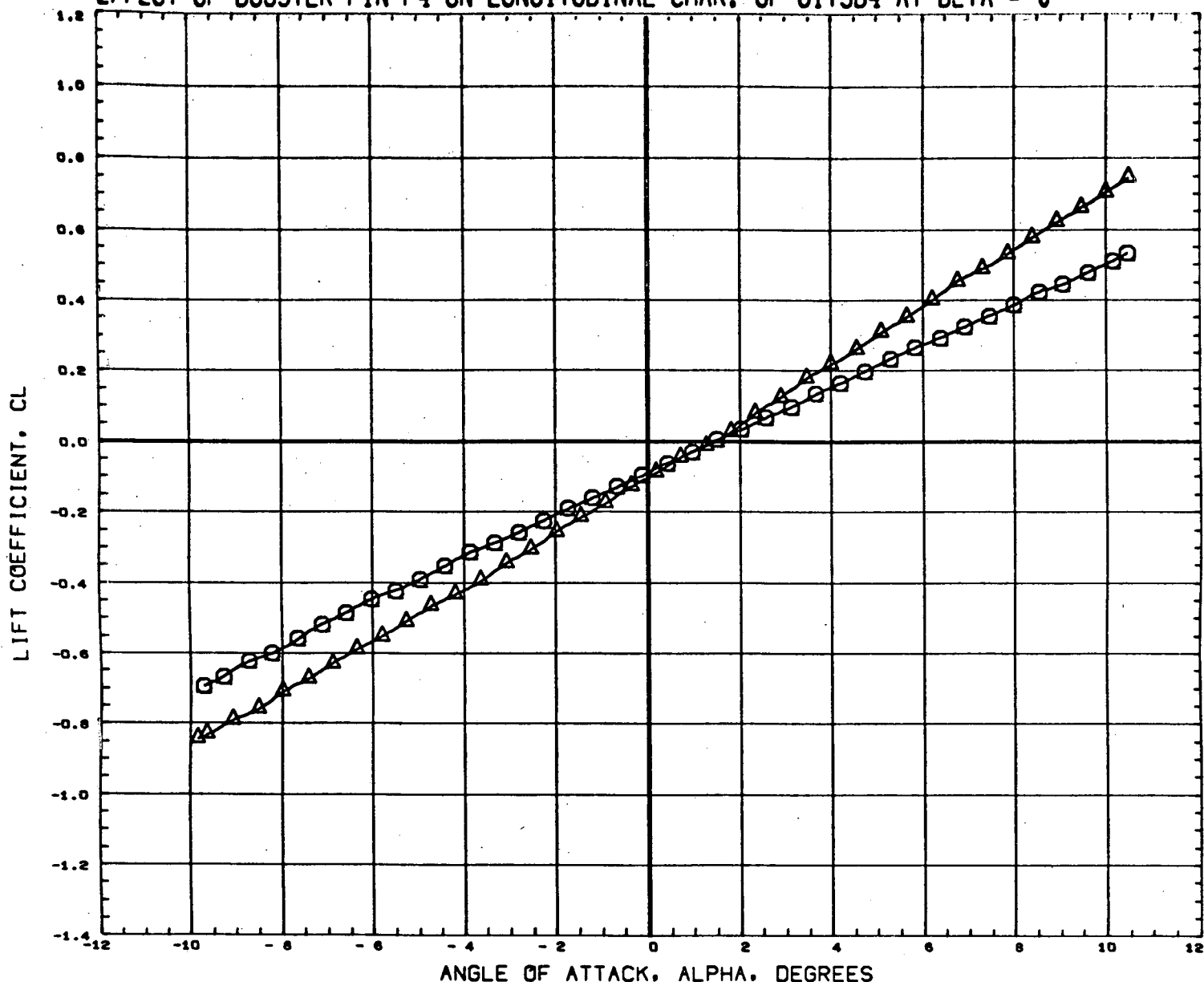
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

1.08

PAGE 514

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



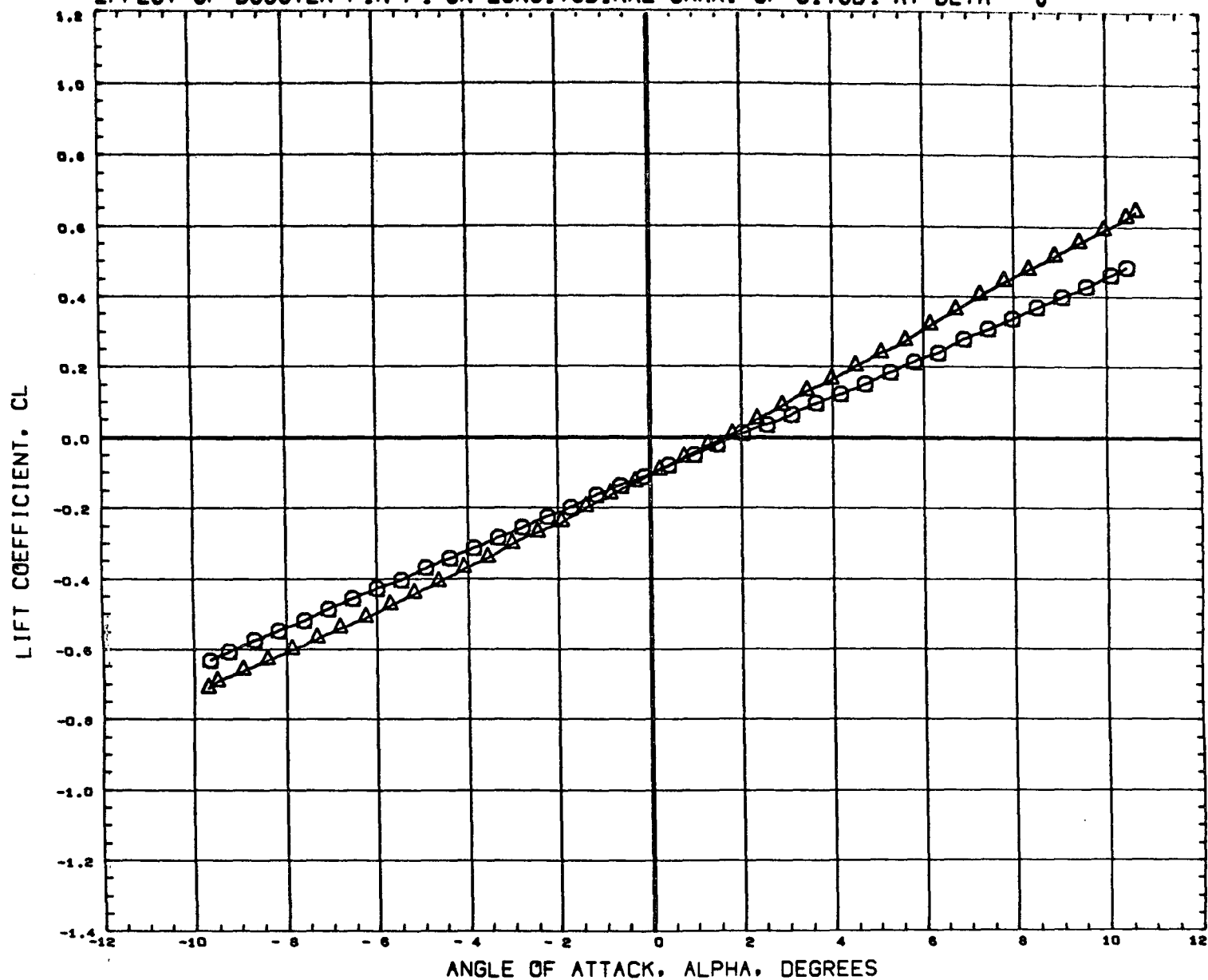
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRF	557.0004 IN.
				YMRF	0.0000 IN.
				ZMRF	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 515

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



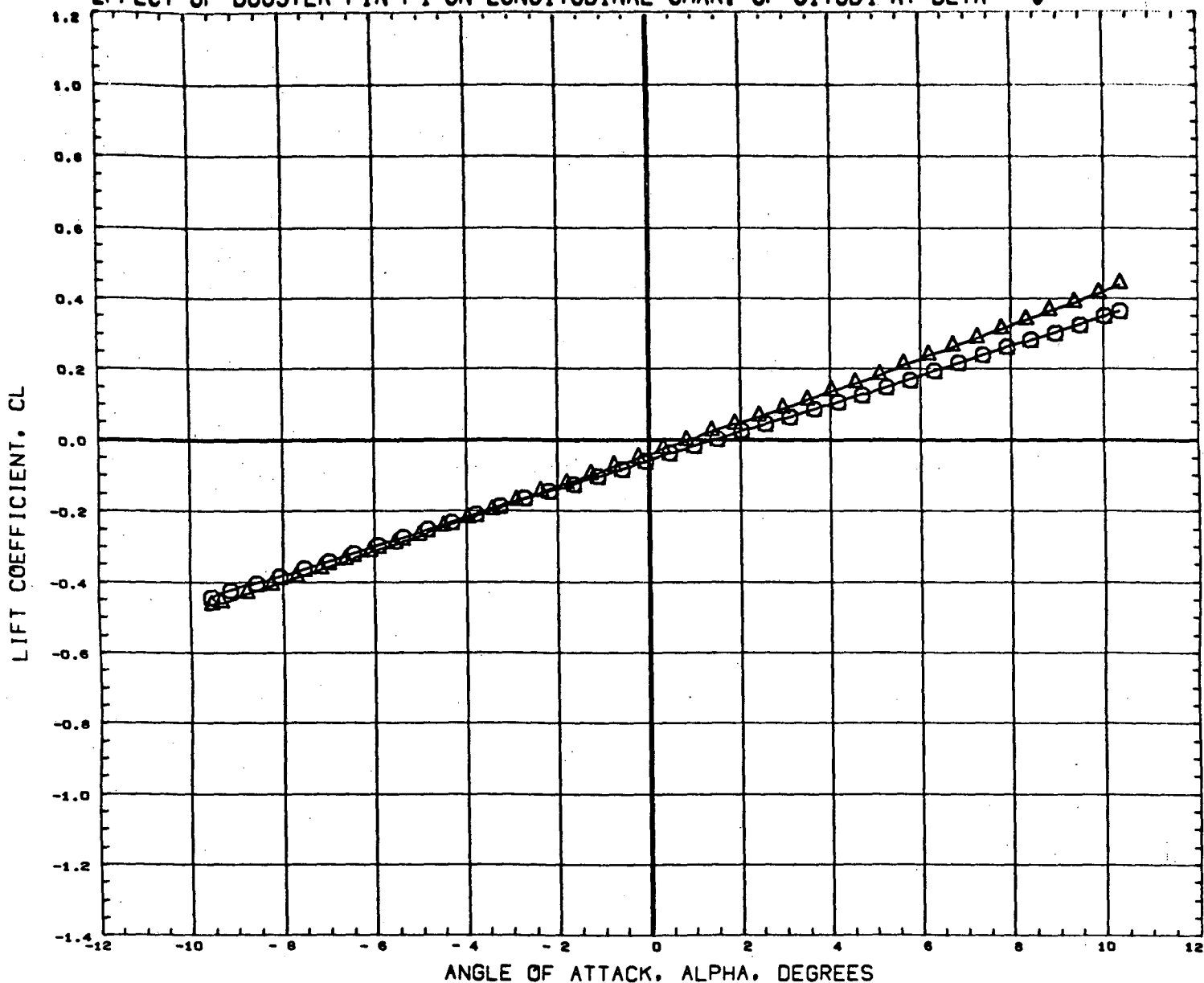
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520) ○	MDAC S-222 COMPOSITE (T-C6) 01T3B4
(CD7526) △	MDAC S-222 COMPOSITE (T-C6) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	937.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T384 AT BETA = 0

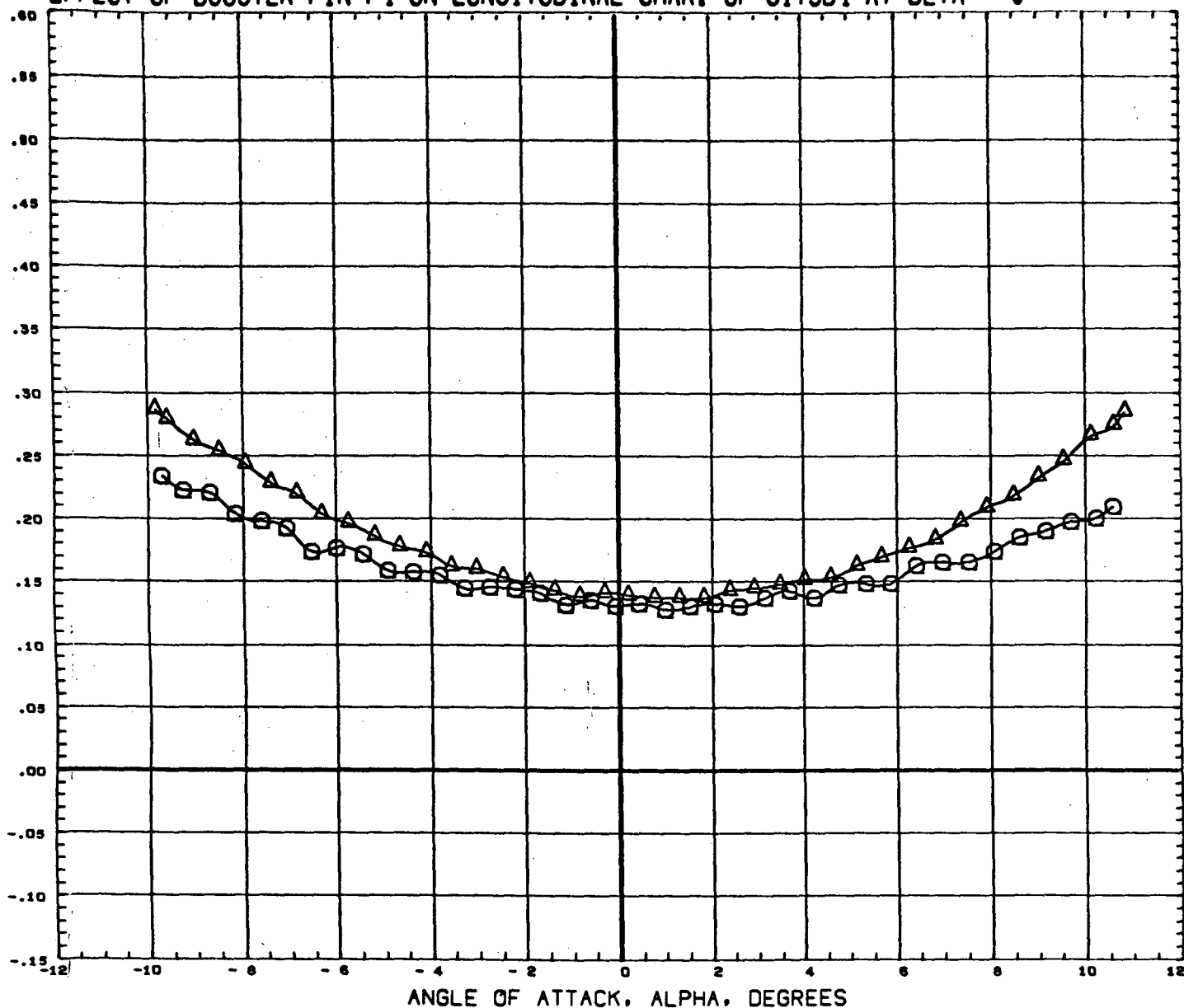


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T384	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T384F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 518

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



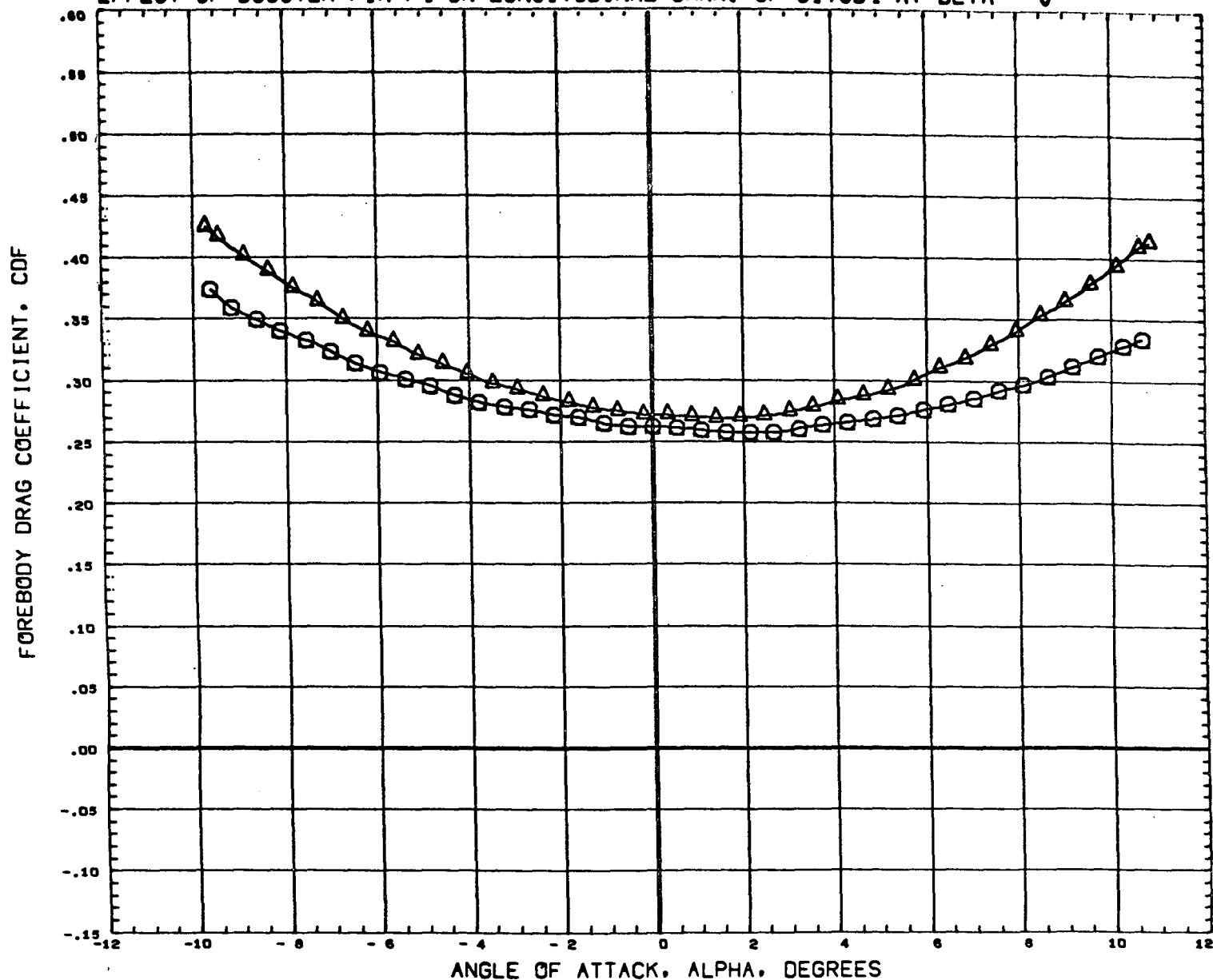
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520) ○	NDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526) △	NDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



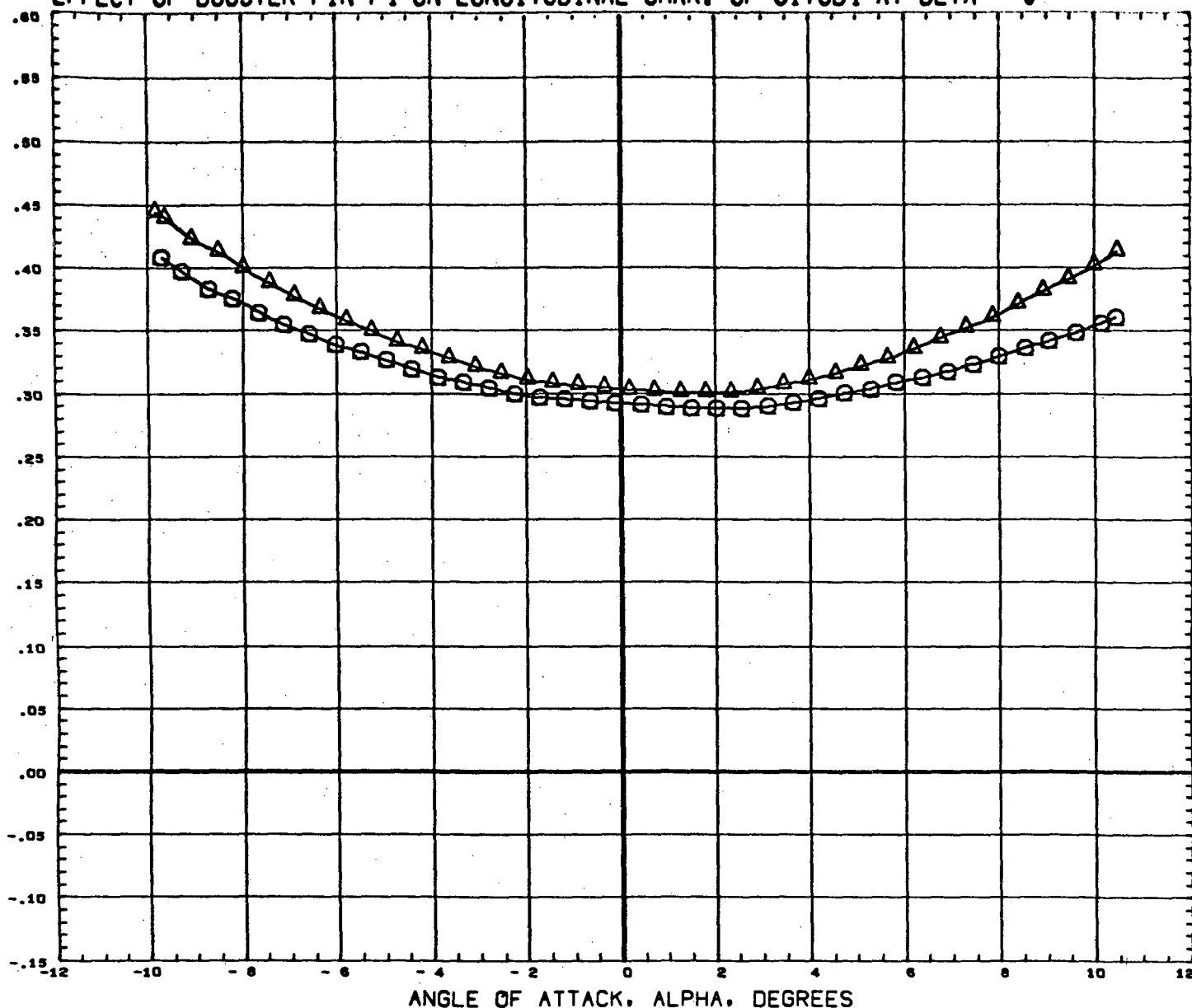
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(C07520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(C07526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



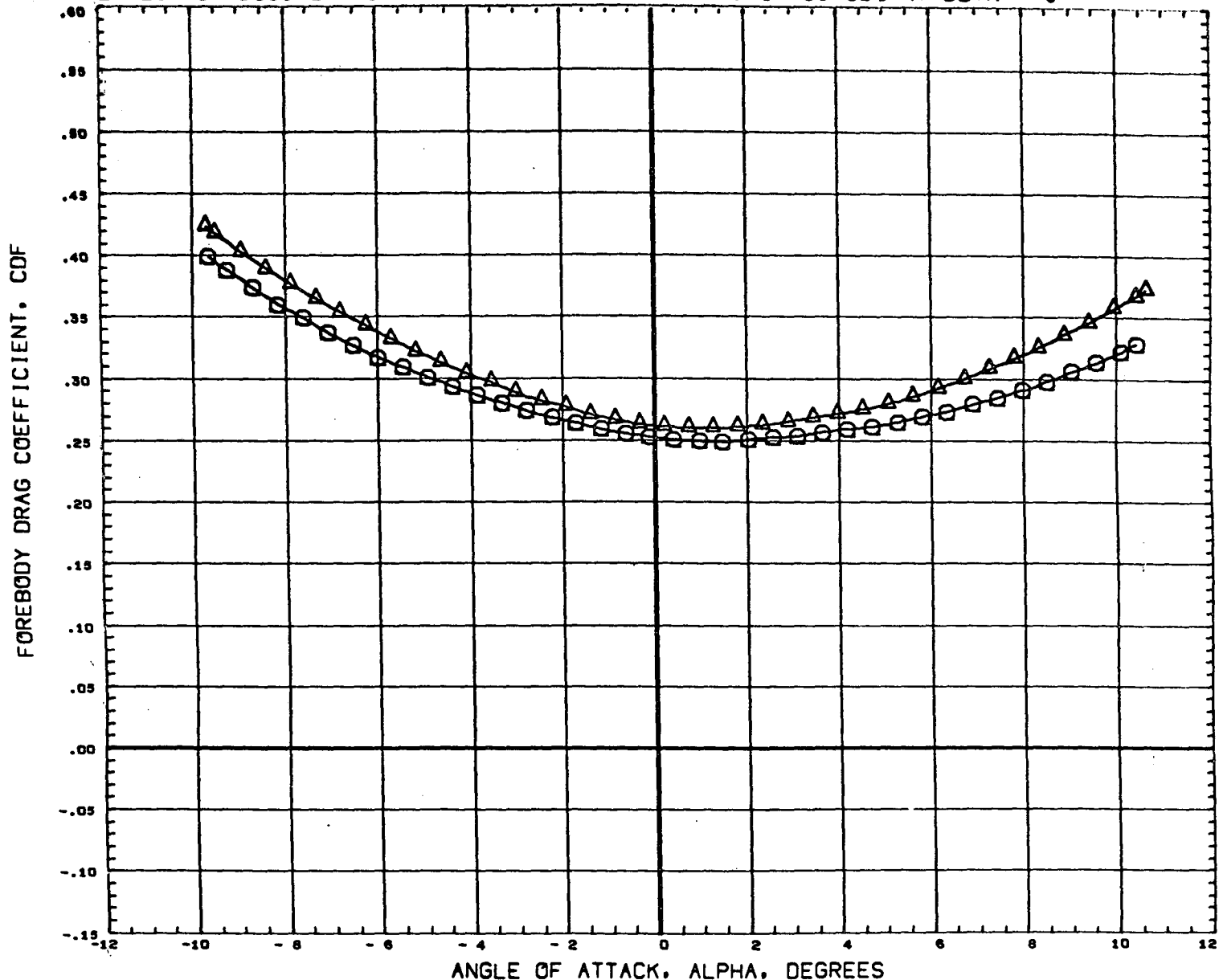
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	50. FT.
0.000	0.000	0.000	0.000	LREF	609.3004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



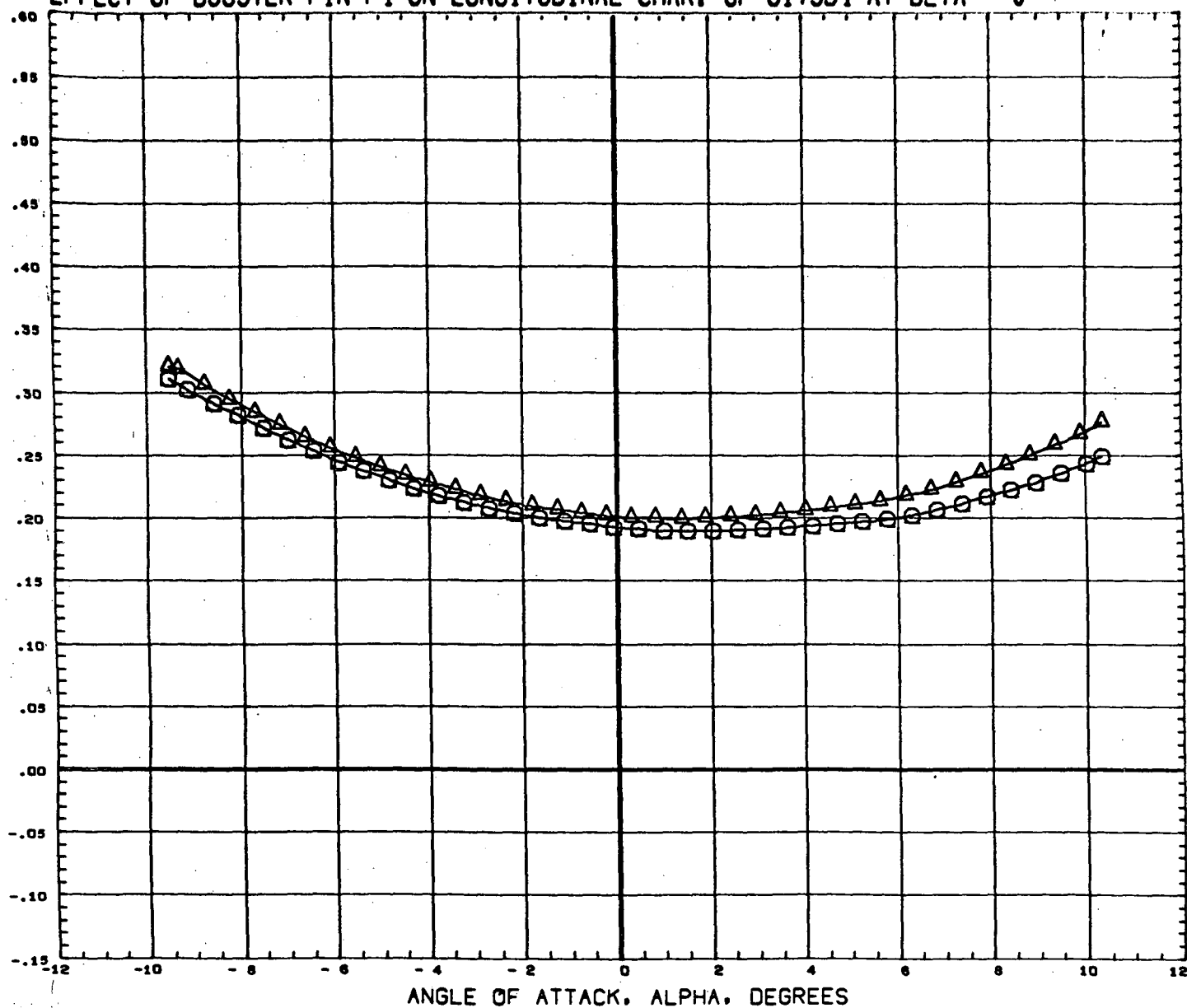
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T384 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520) ○	MDAC S-222 COMPOSITE (T-CG) 01T384
(CD7526) △	MDAC S-222 COMPOSITE (T-CG) 01T384F4

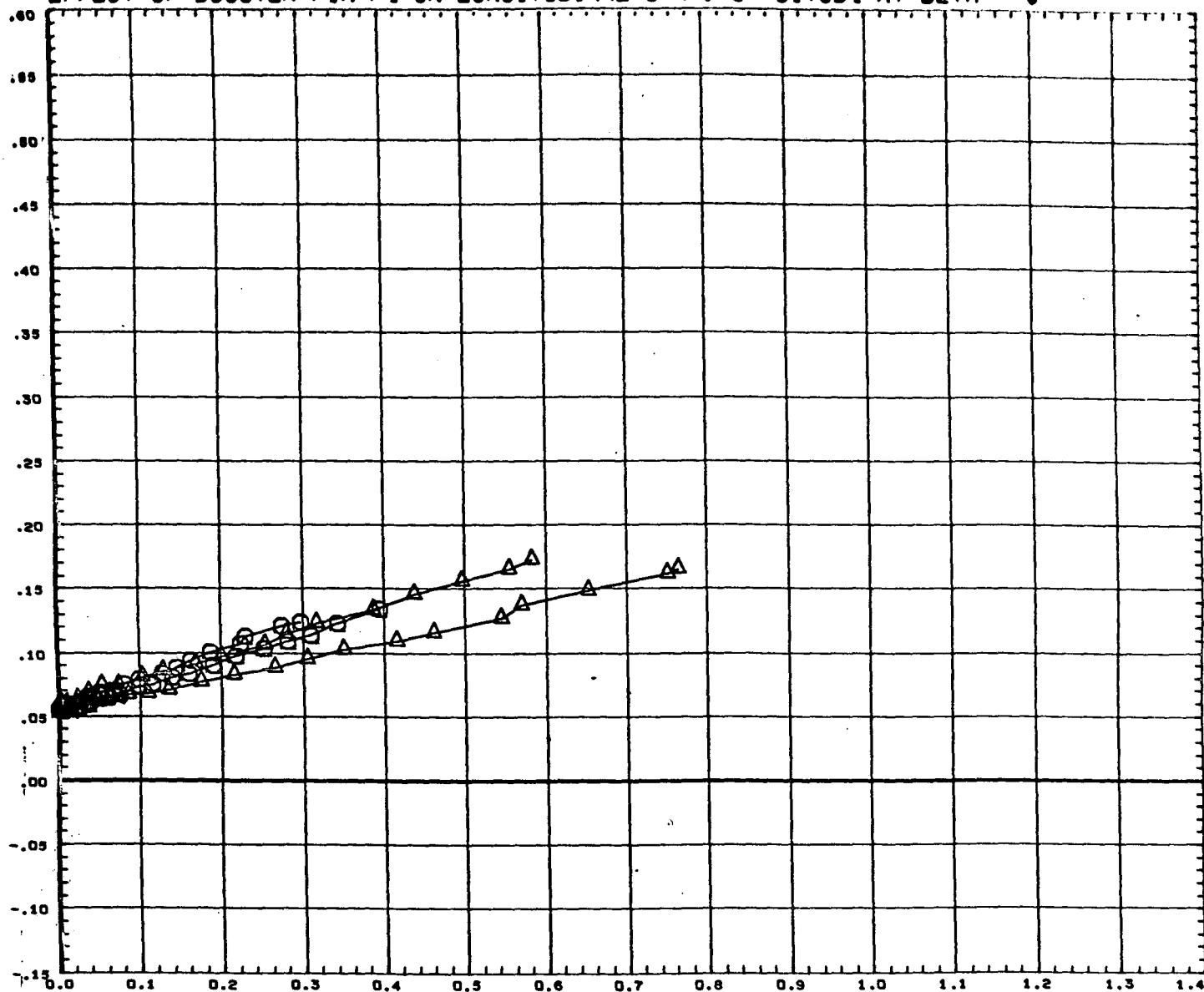
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 4.47

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

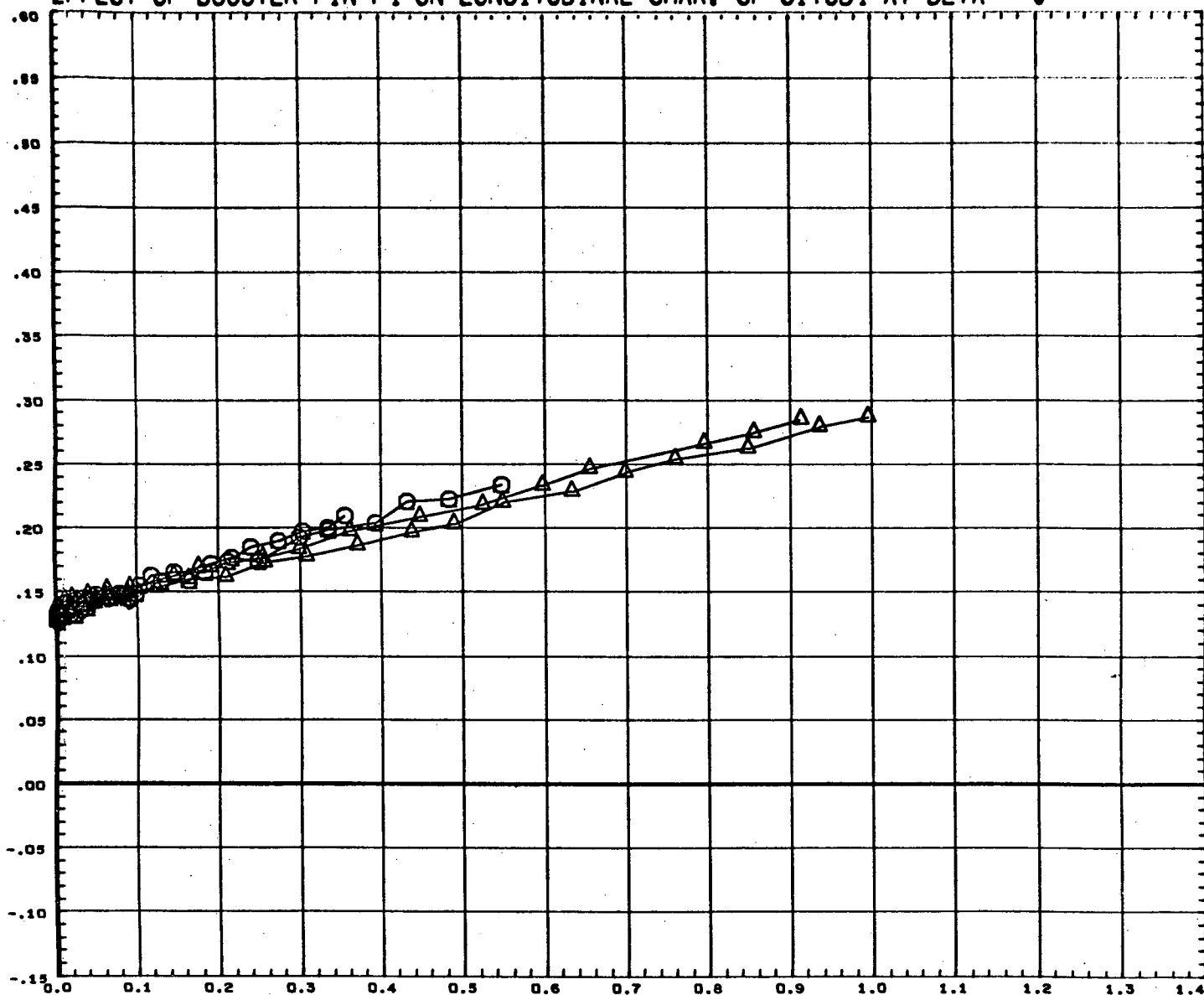
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

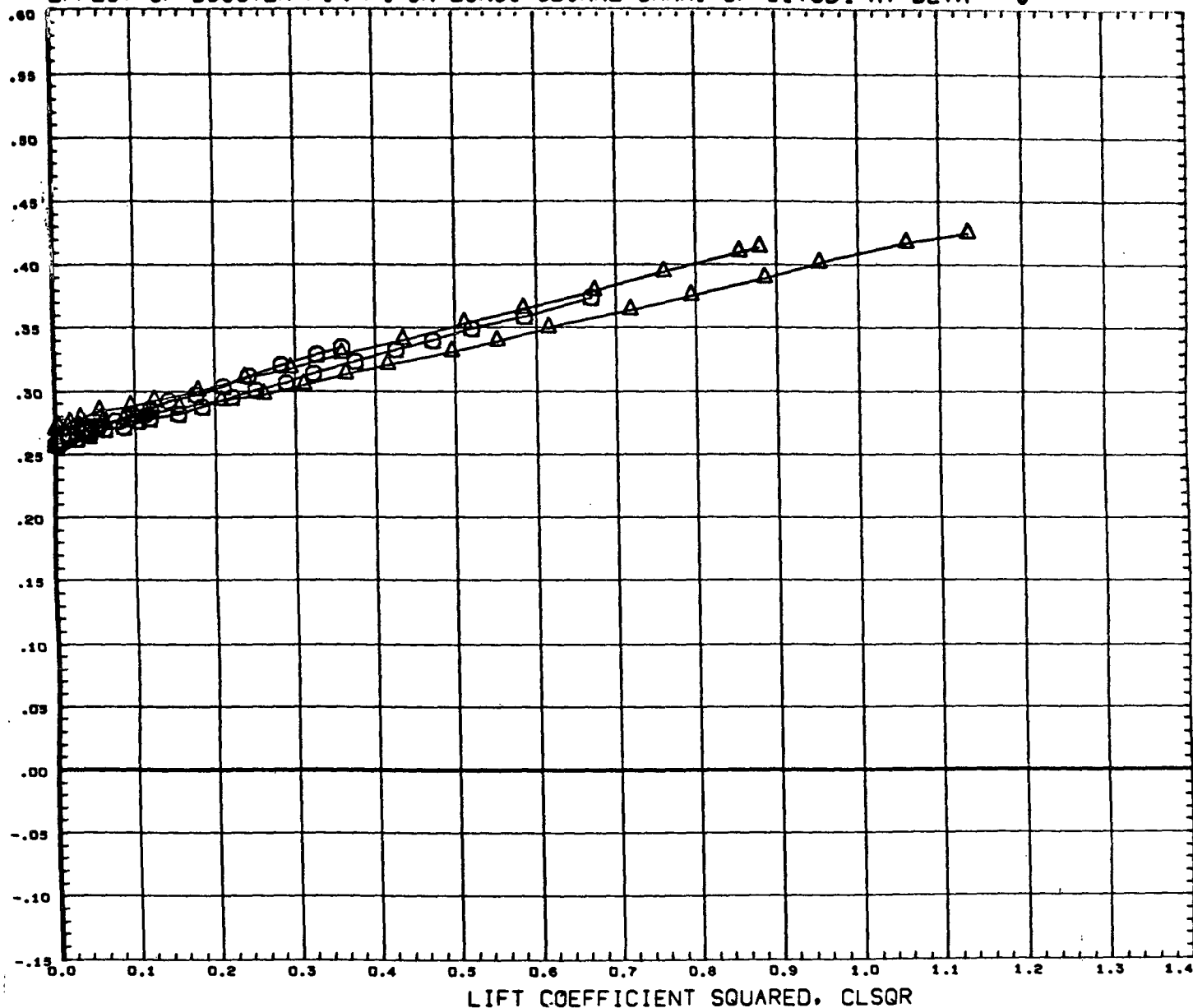
MACH

.89

PAGE 525

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



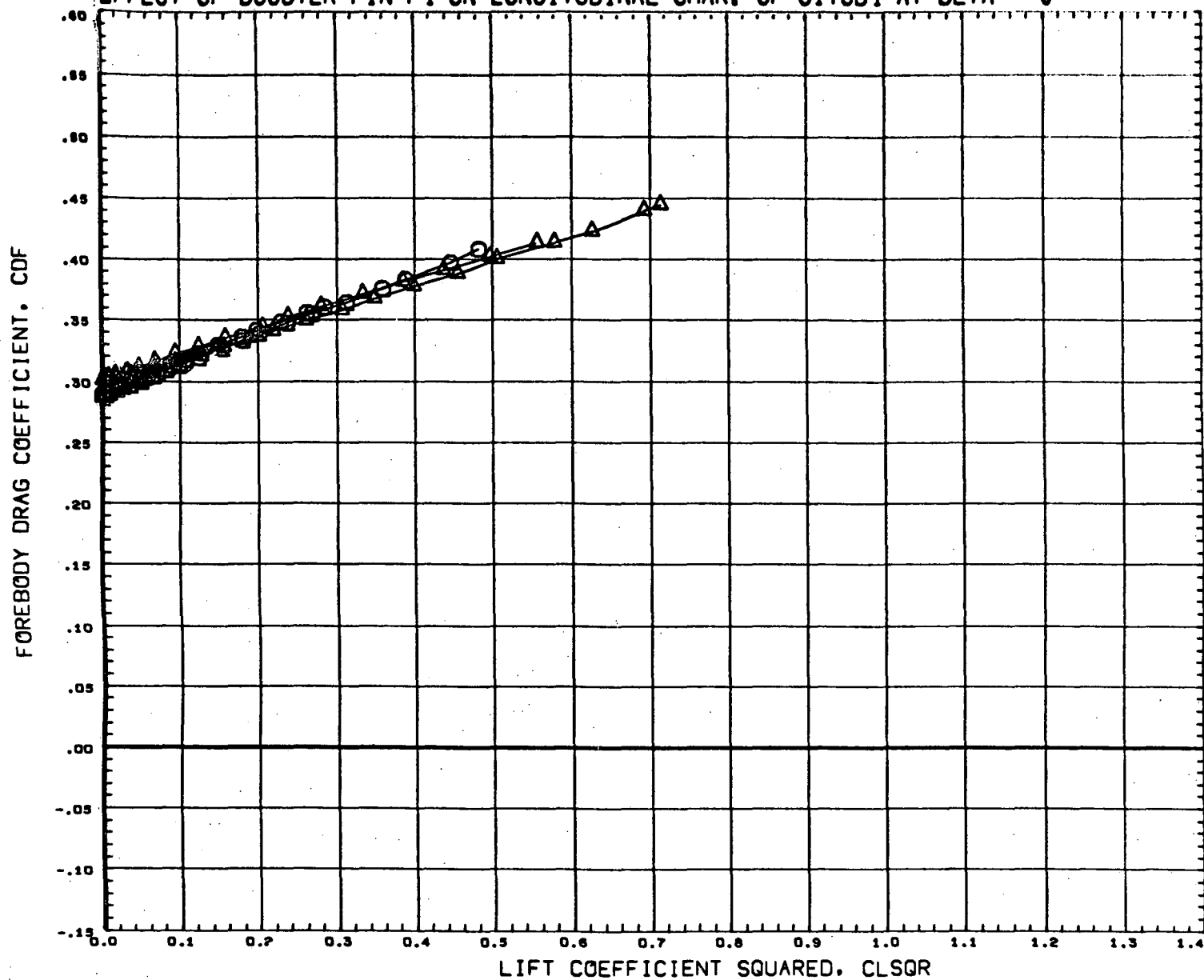
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) \bigcirc MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) \triangle MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMPP	557.0004 IN.
				YMPP	0.0000 IN.
				ZMPP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

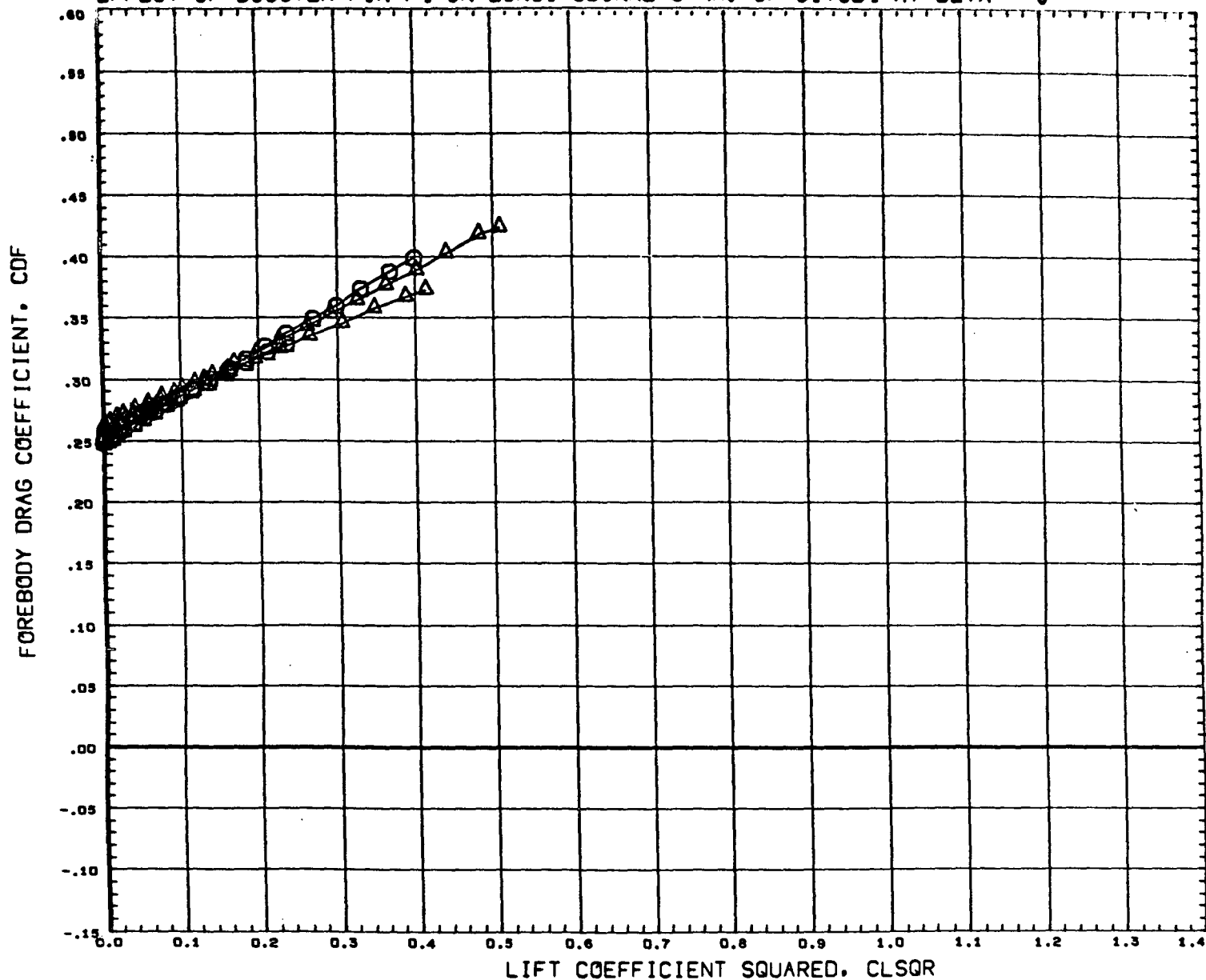


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF O1T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) O MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7526) Δ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

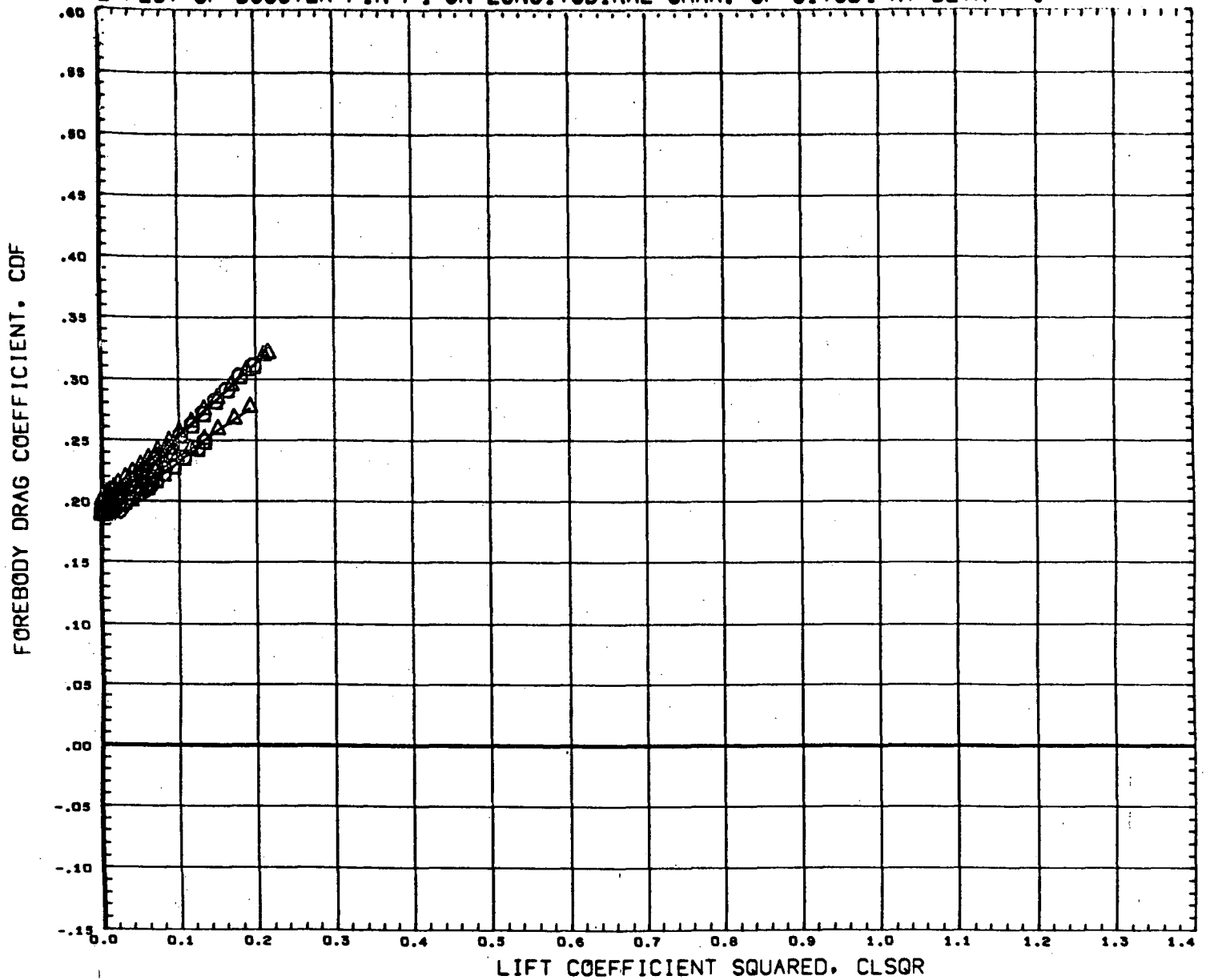
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

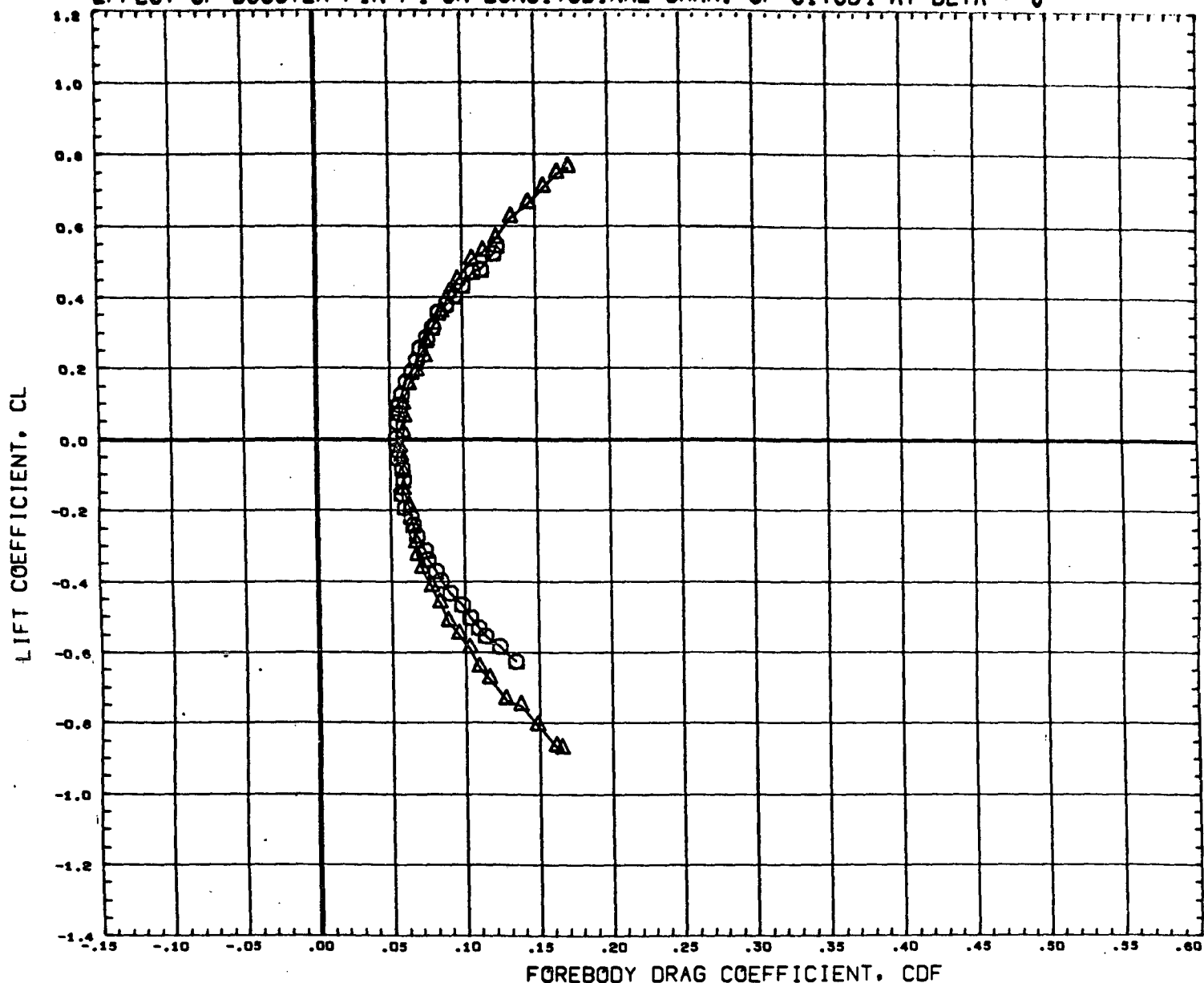


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-C6) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-C6) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 529

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

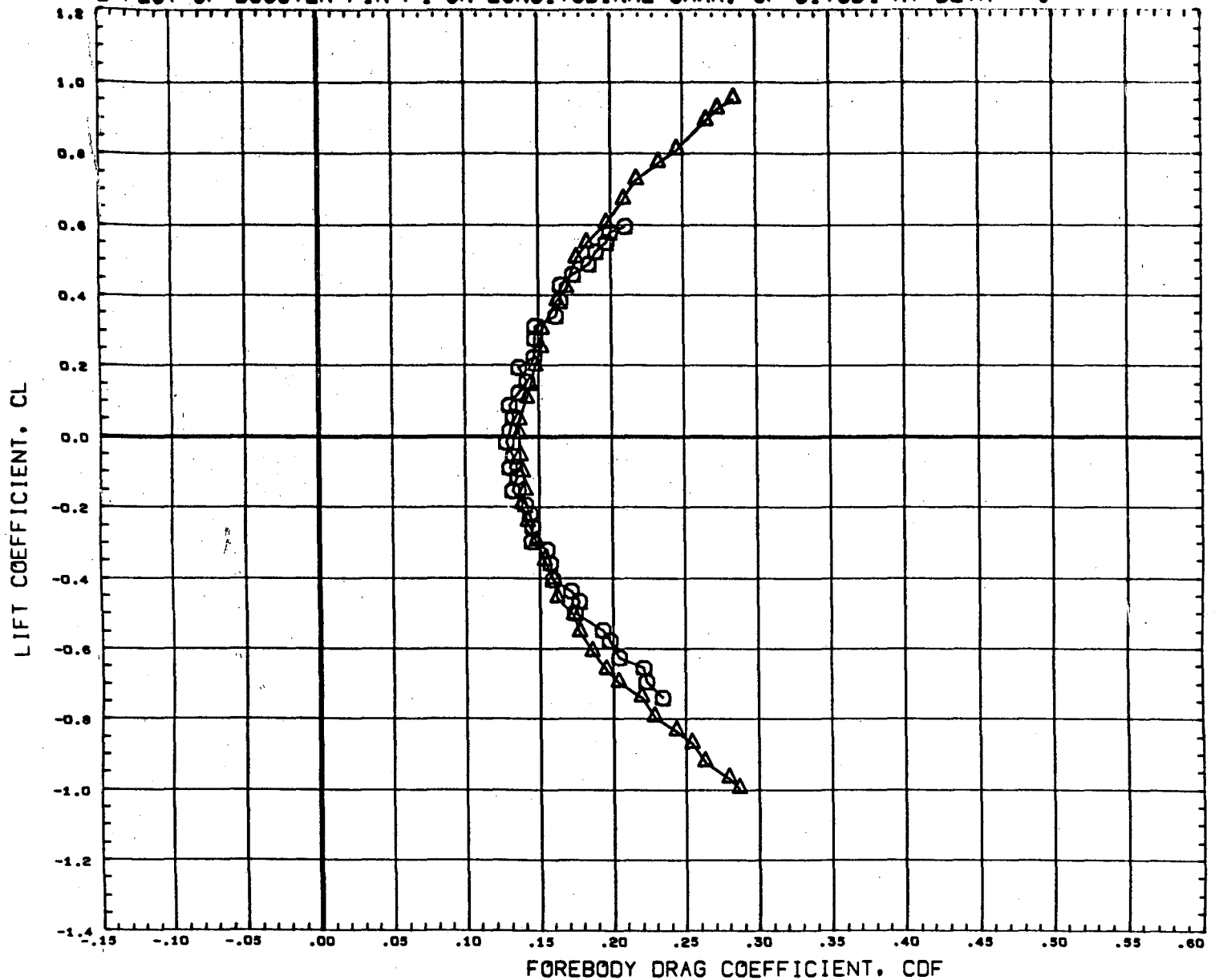


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	537.0004 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

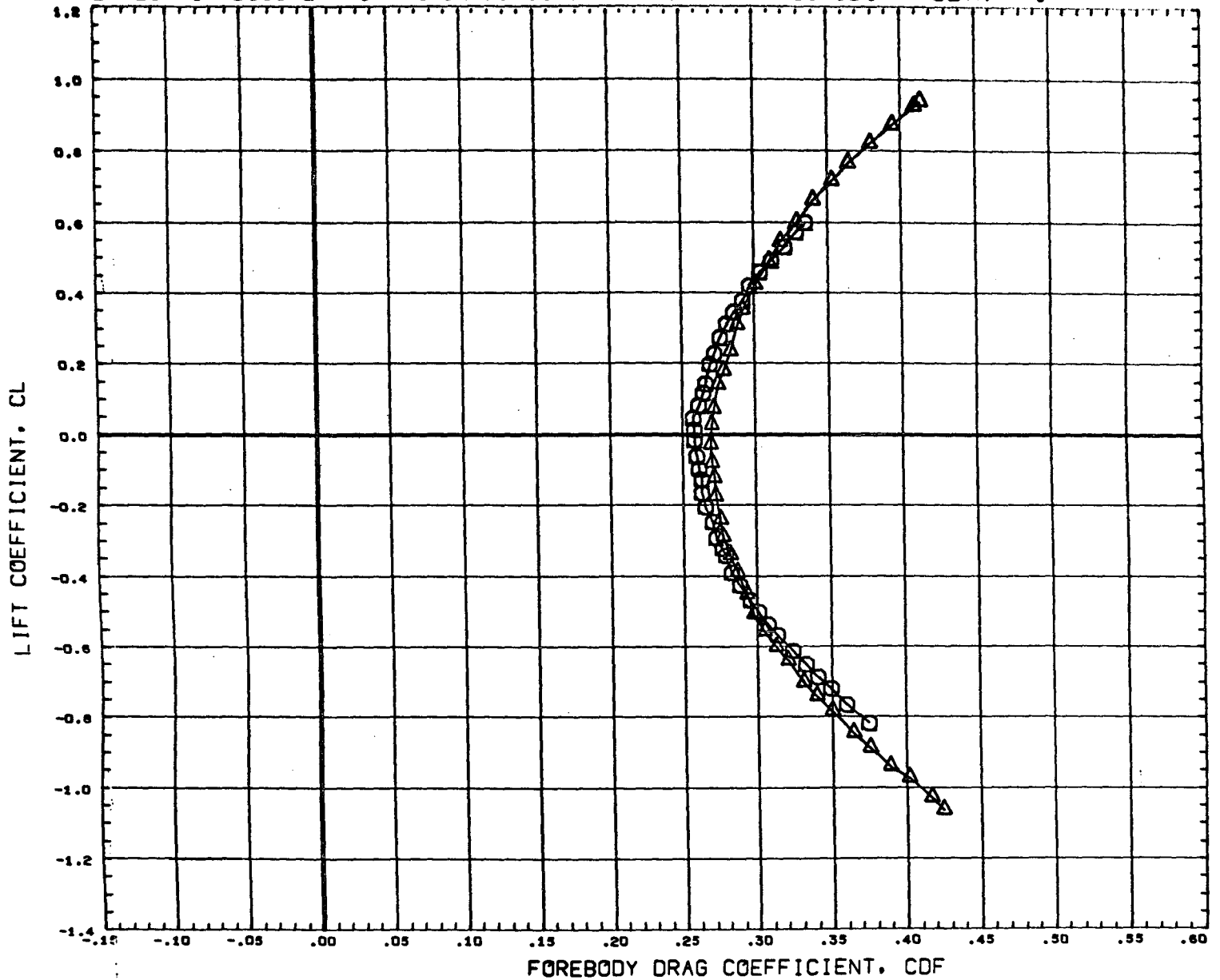
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

.89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

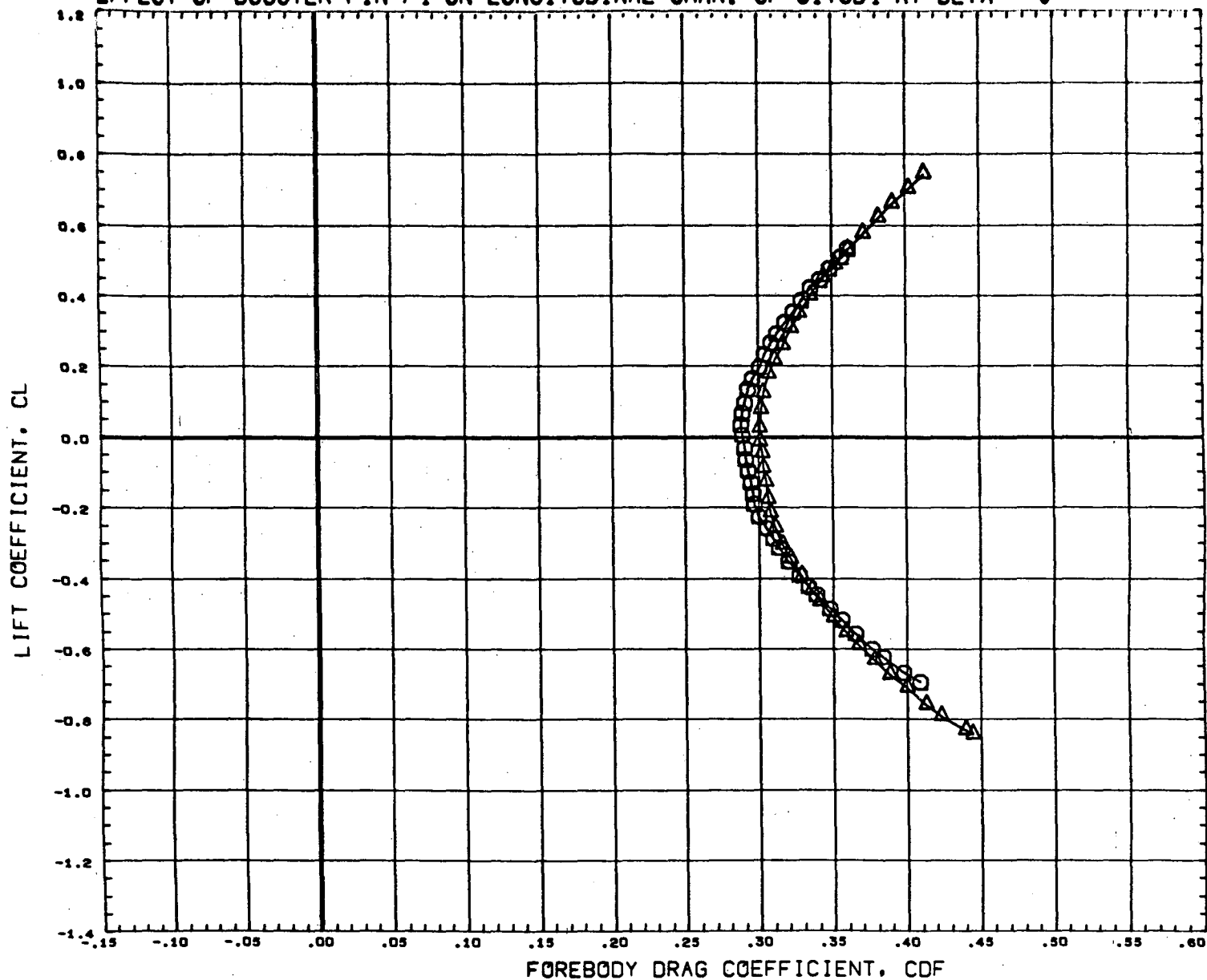
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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C. 8

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



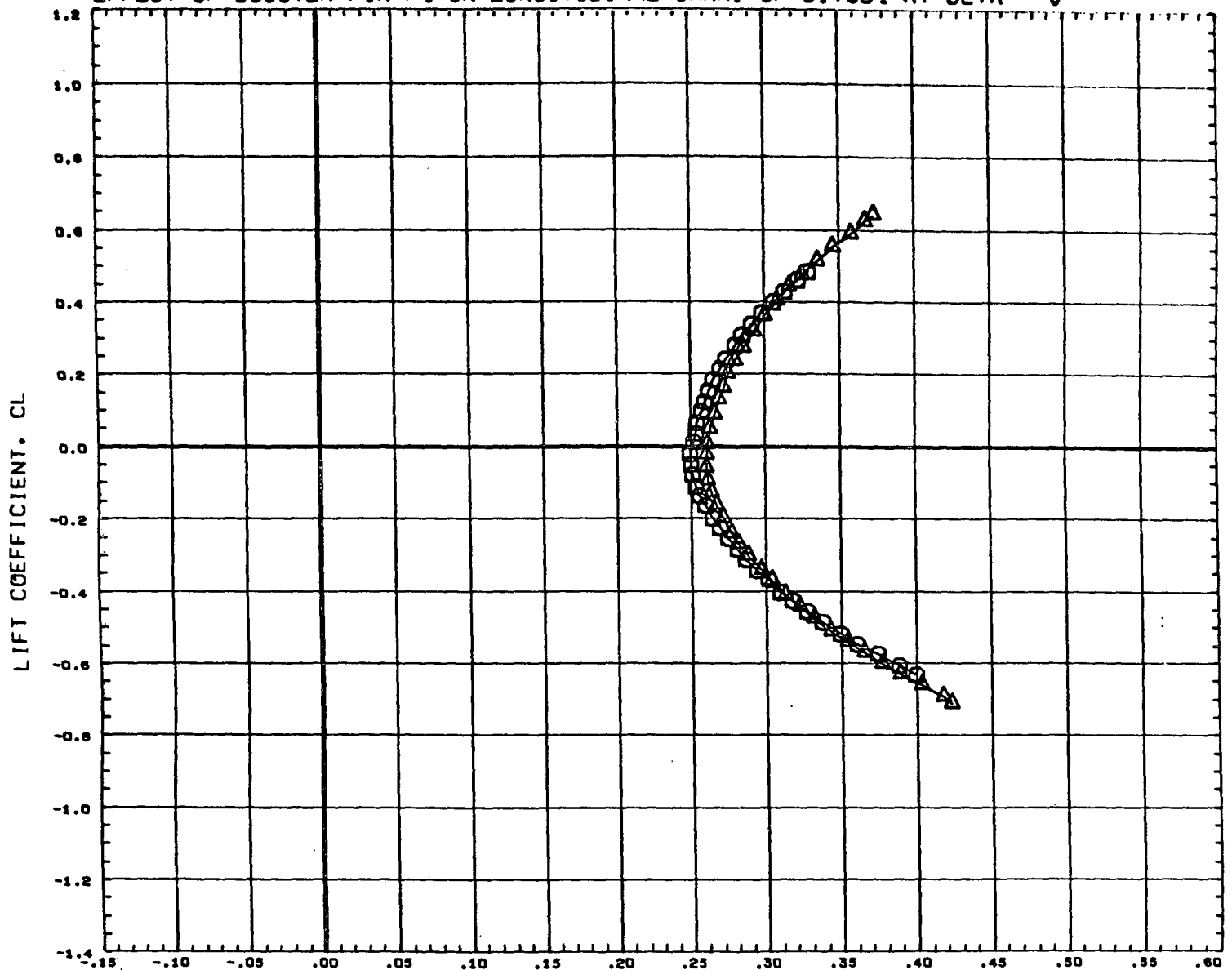
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD732U) Q MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7326) A MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

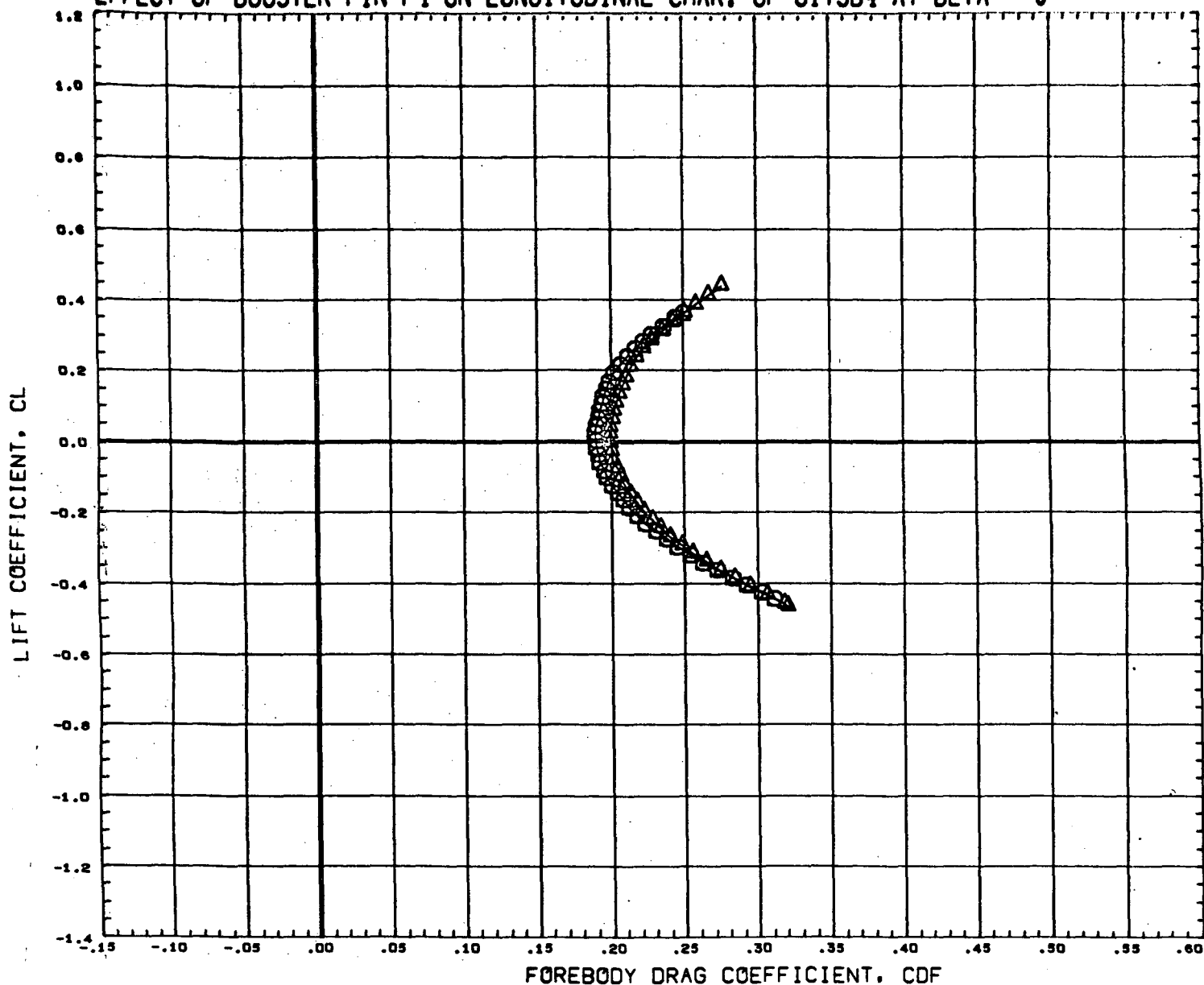
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) Q MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

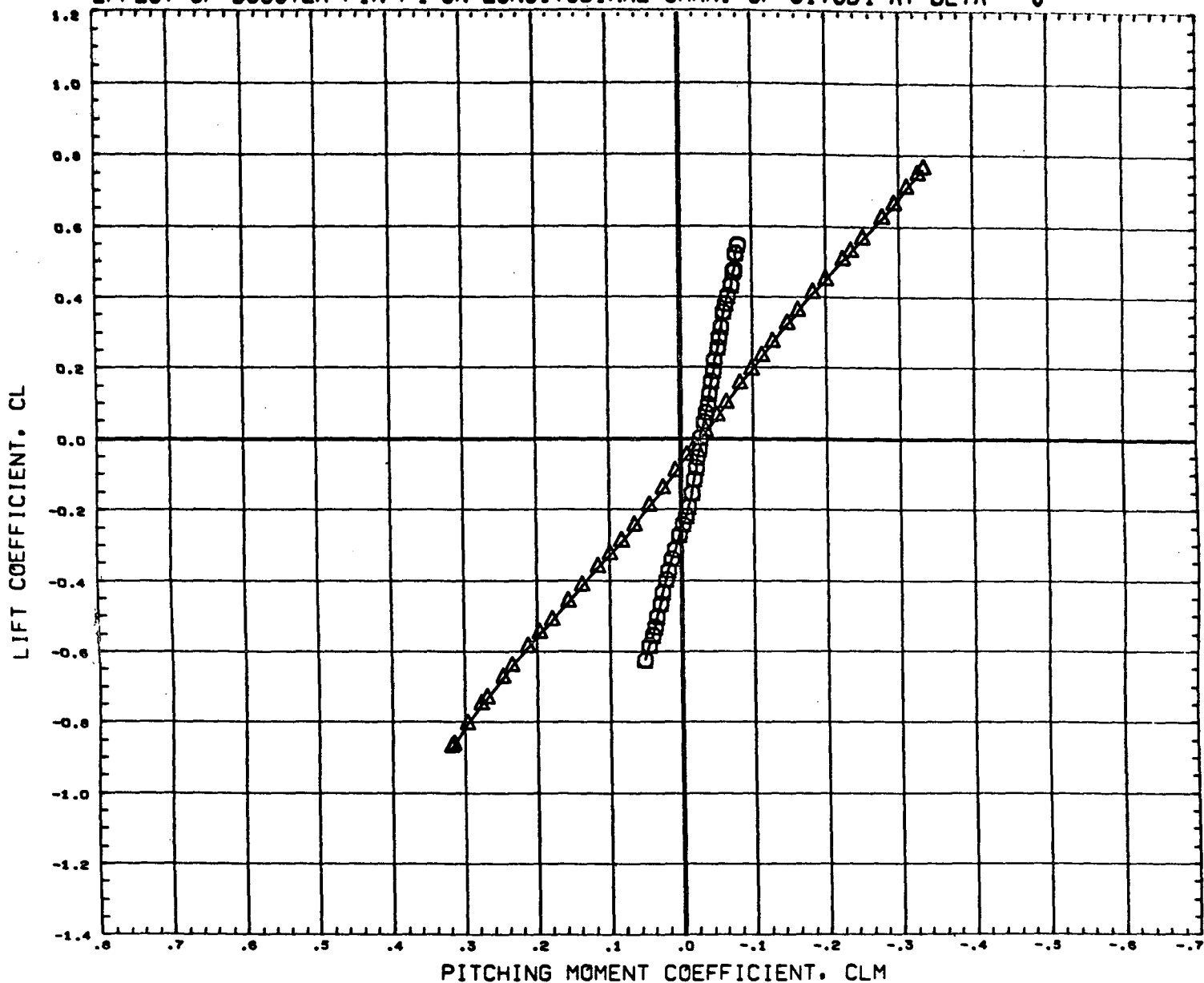
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH

4.47

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0

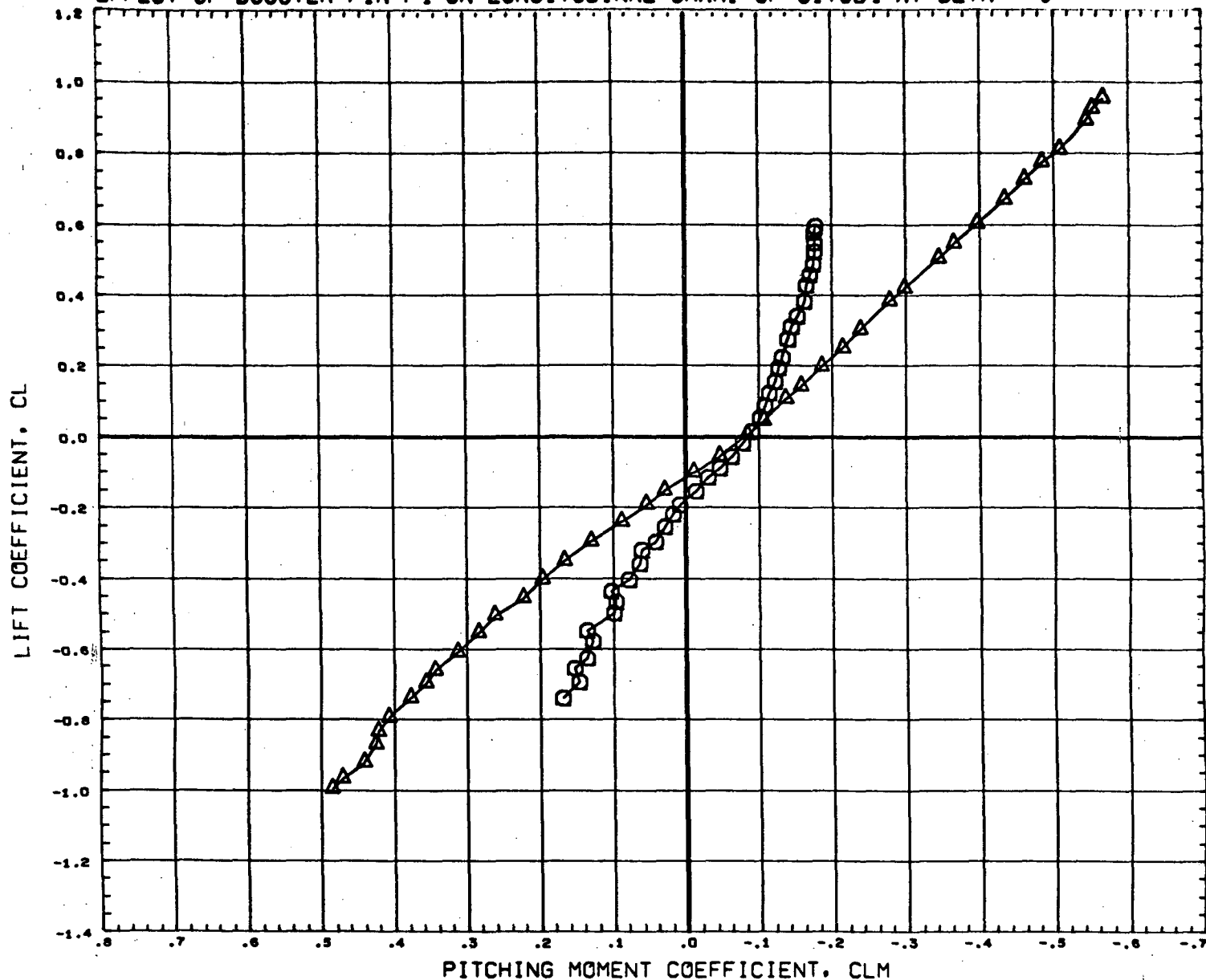


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	NDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7526)	NDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



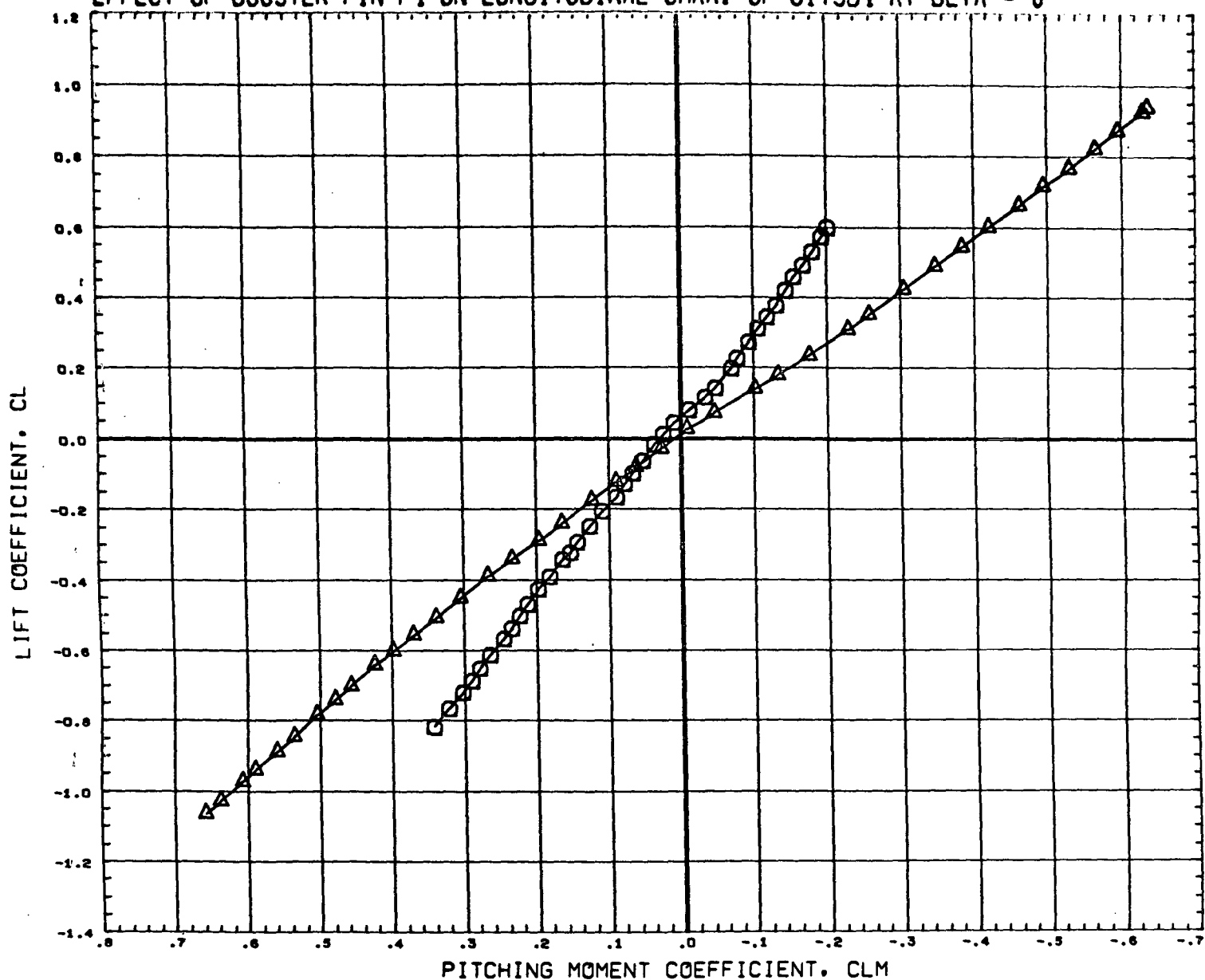
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 537

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



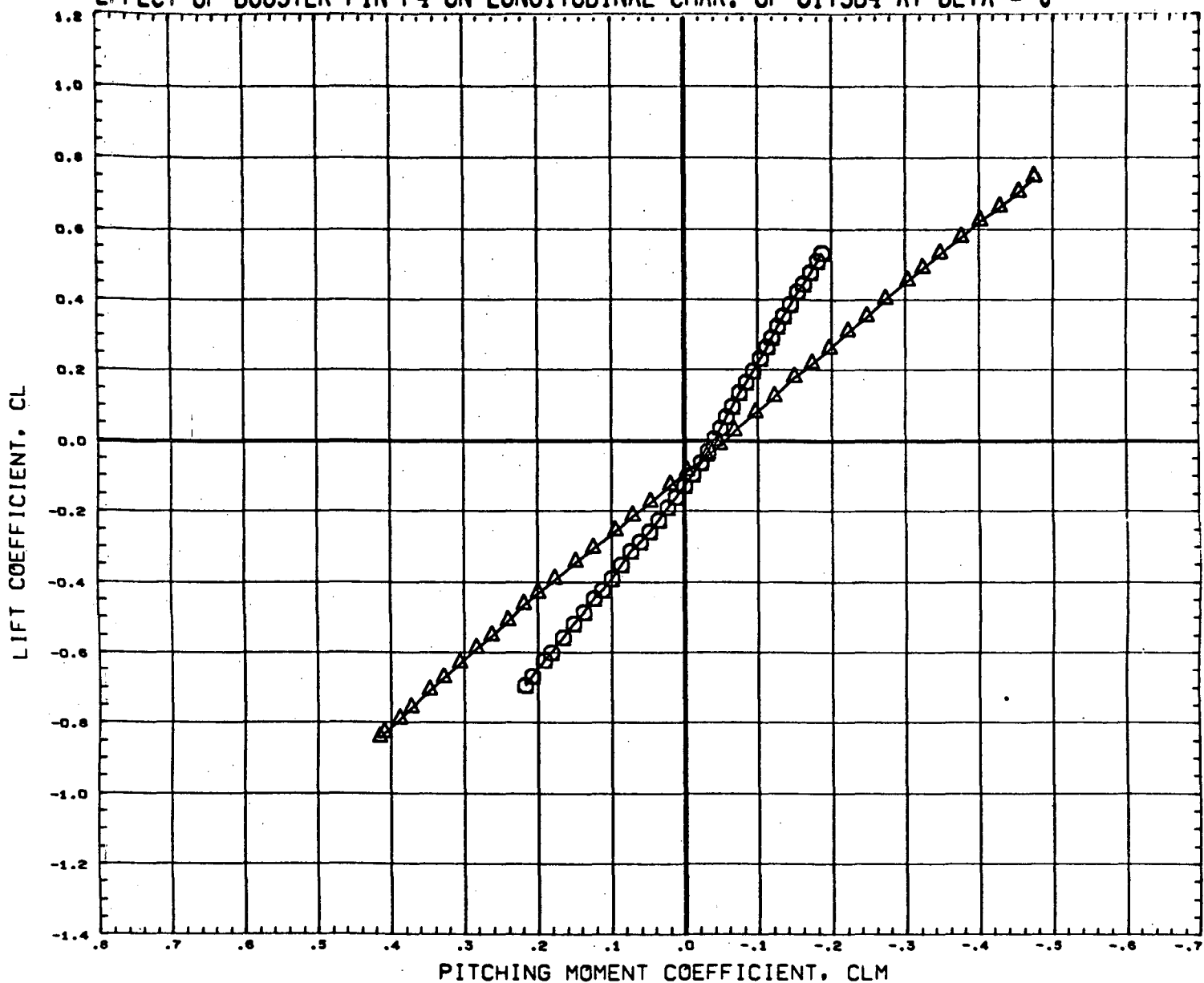
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7520)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	0.000	0.000	0.000	0.000	SREF	3153.3040 SQ.FT.
(CD7526)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH

1.08

PAGE 538

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



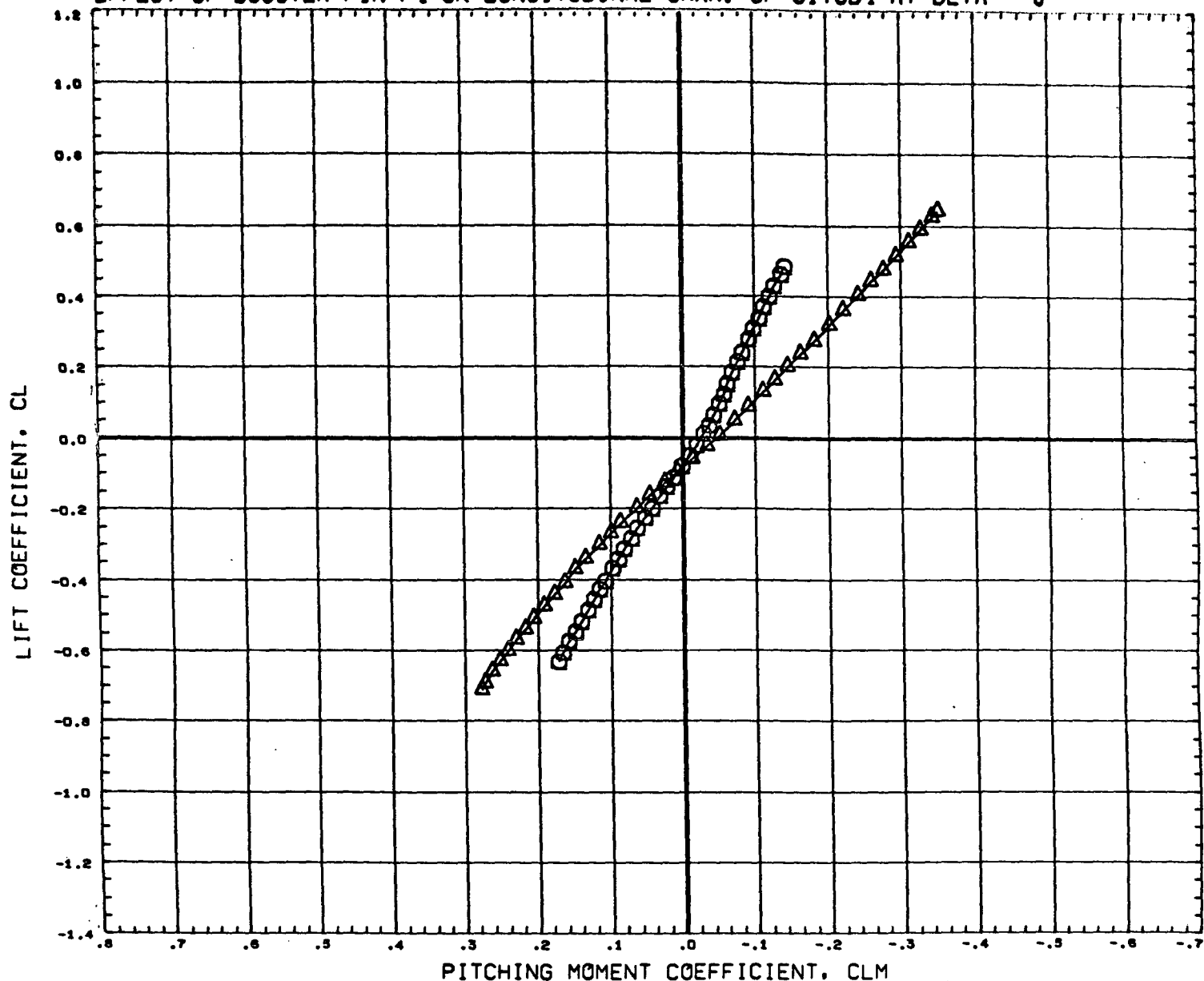
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 539

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF 01T3B4 AT BETA = 0



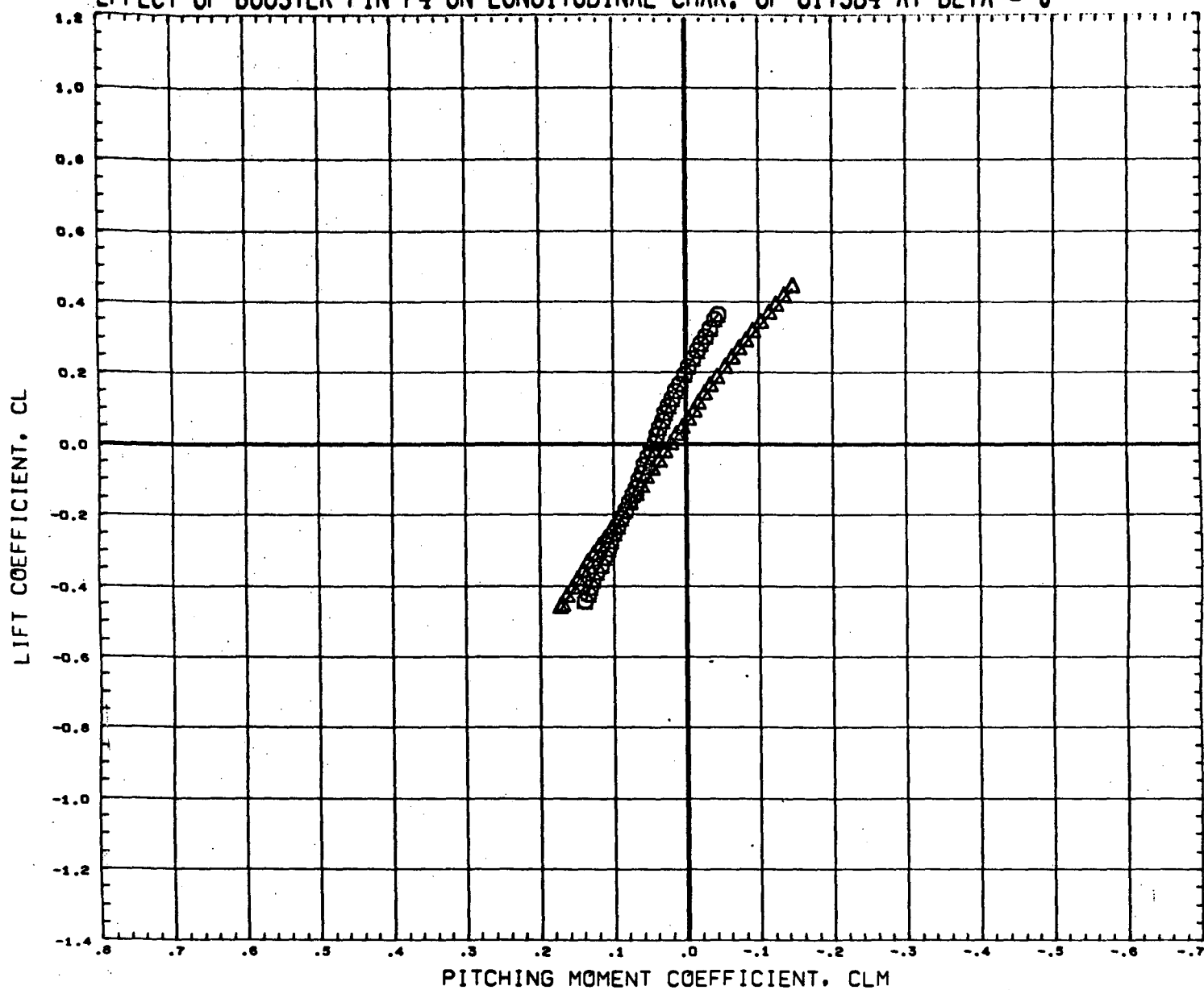
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7526) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF O1T3B4 AT BETA = 0



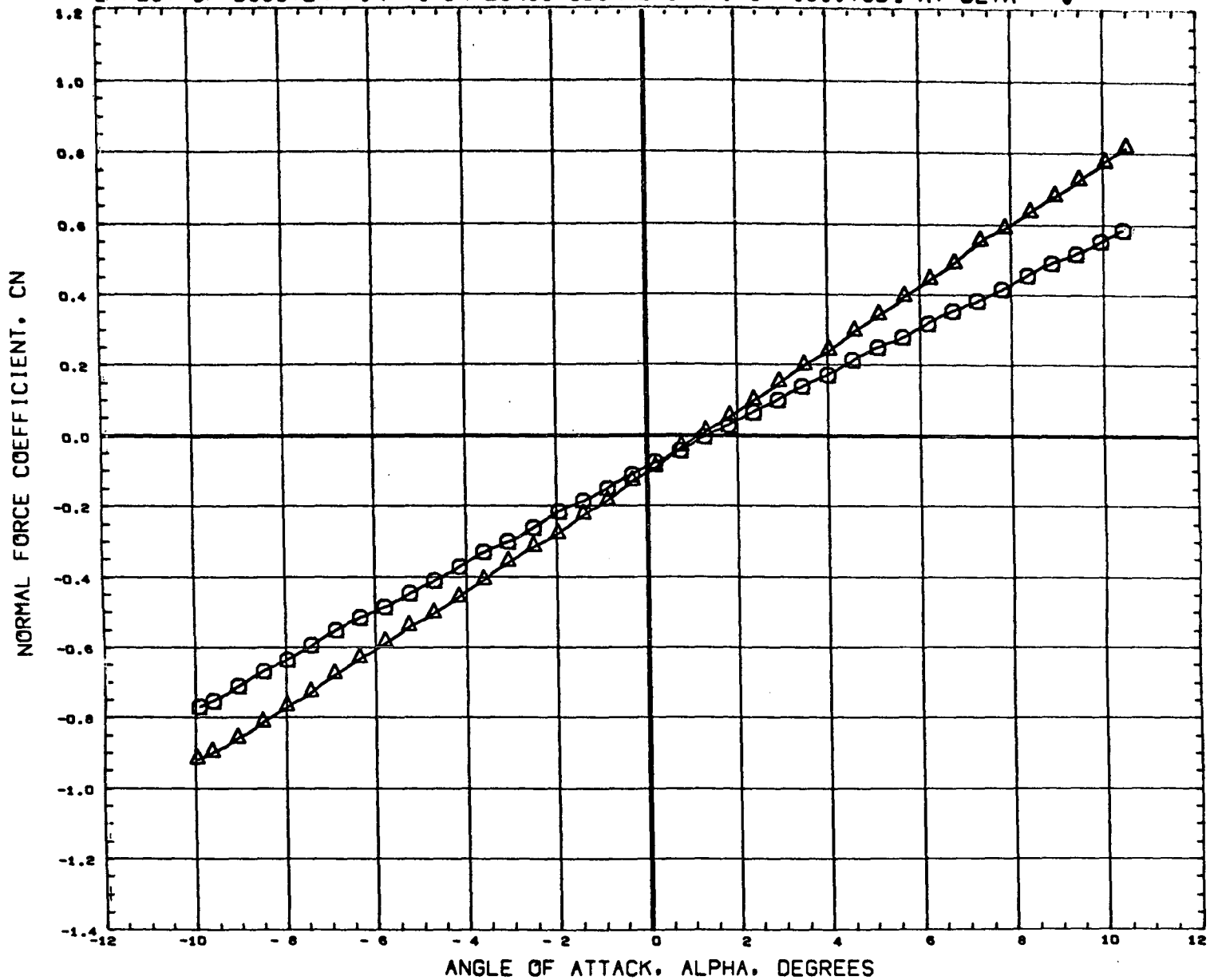
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7520) Δ MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7526) Δ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 541

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (O1)T3B4 AT BETA = 0

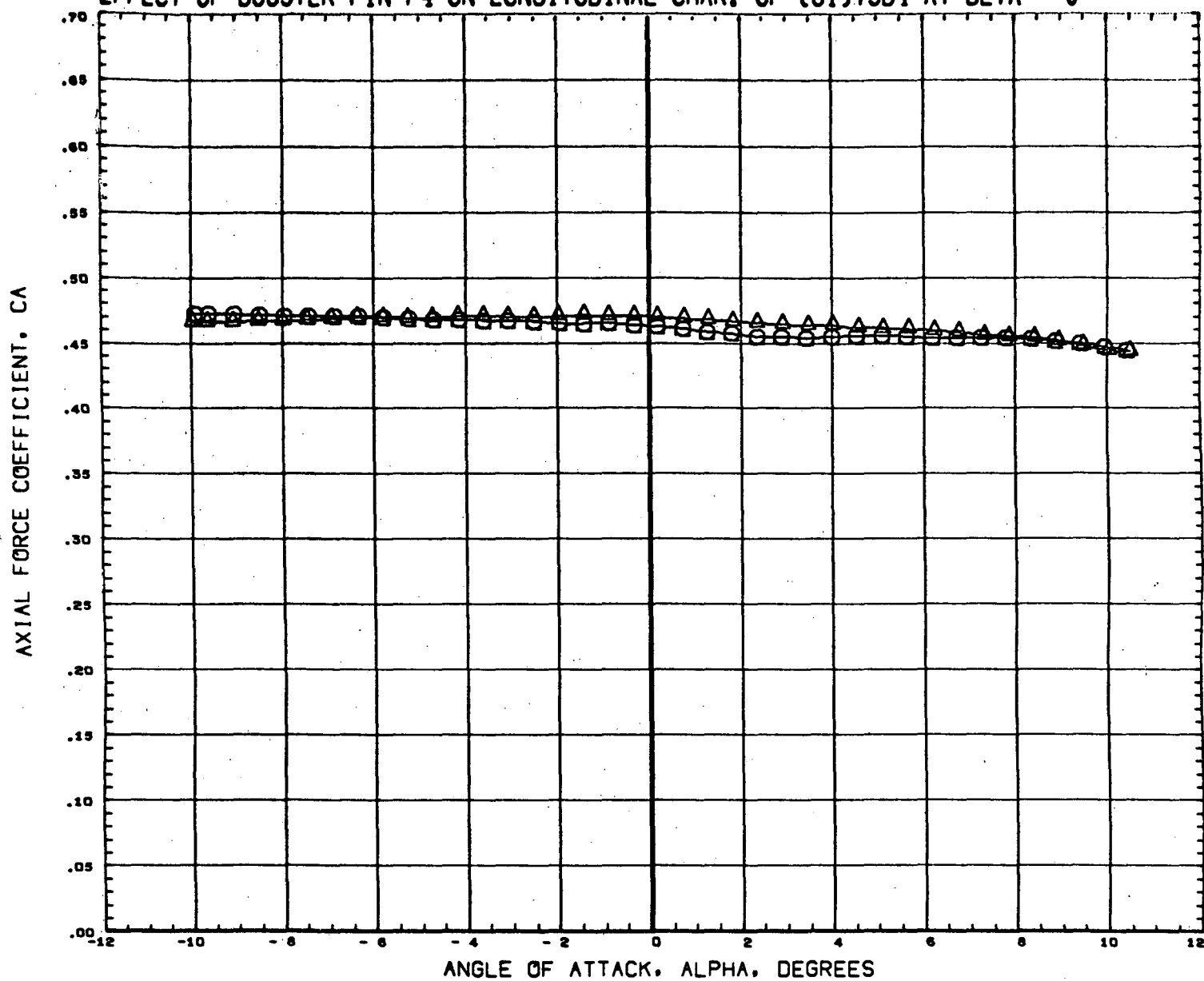


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7495)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A4)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 542

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 0

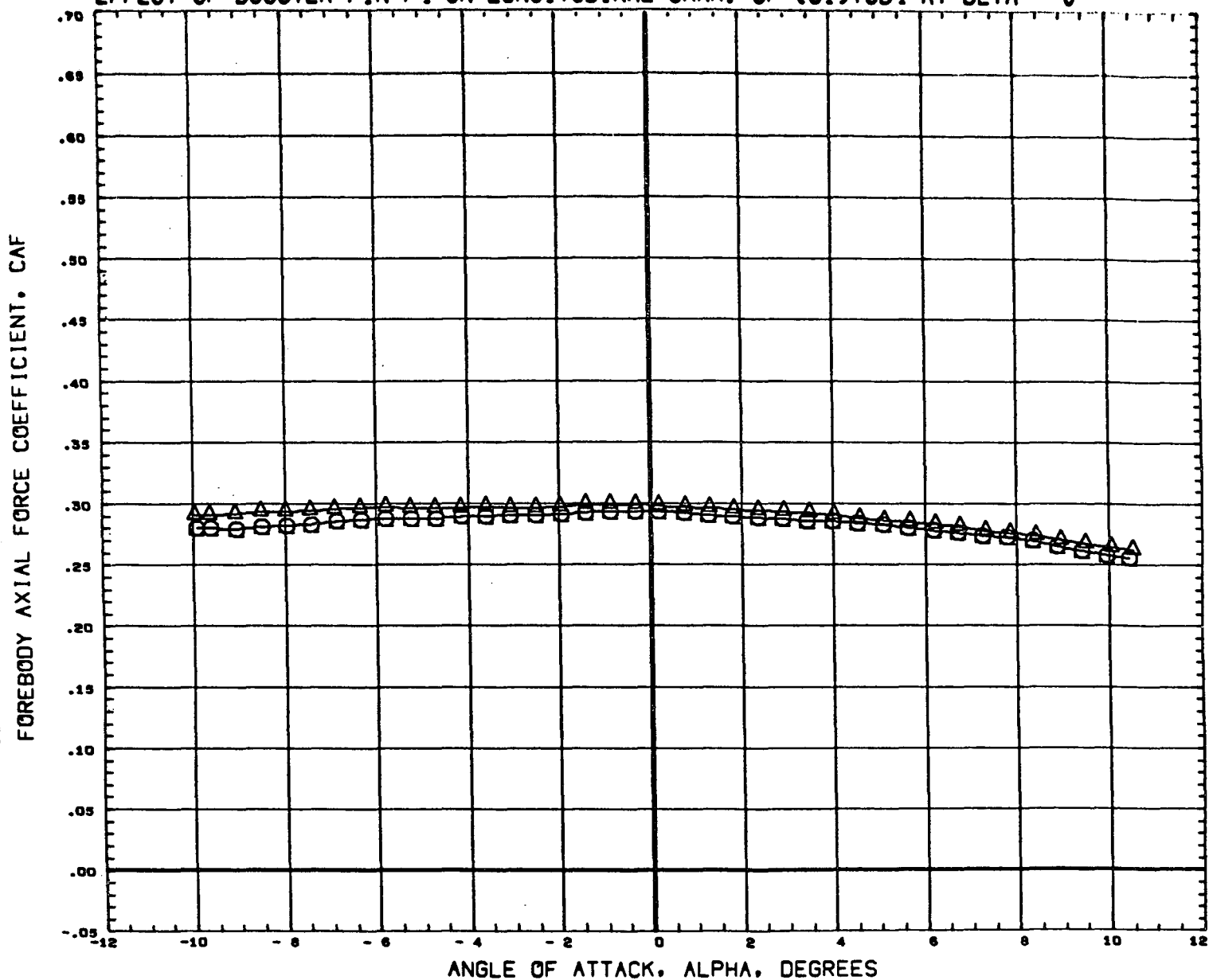


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7495)	MDAC S-222 COMPOSITE(T-CG) (01)T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A4)	MDAC S-222 COMPOSITE(T-CG) (01)T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (O1)T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7495) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T3B4
 (CD74A4) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T3B4F4

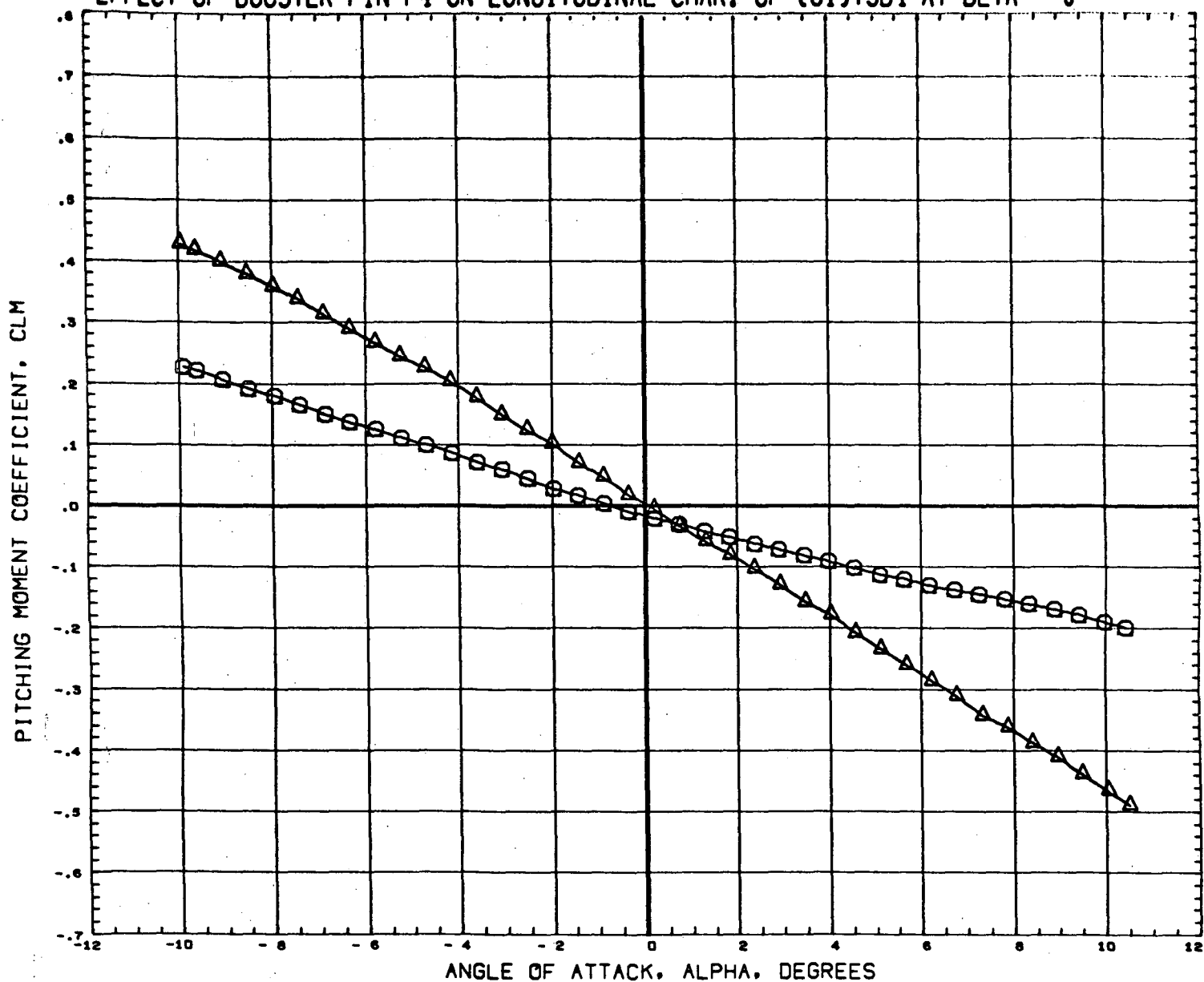
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.3004 IN.
BREF	682.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH 1.51

PAGE 544

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 0



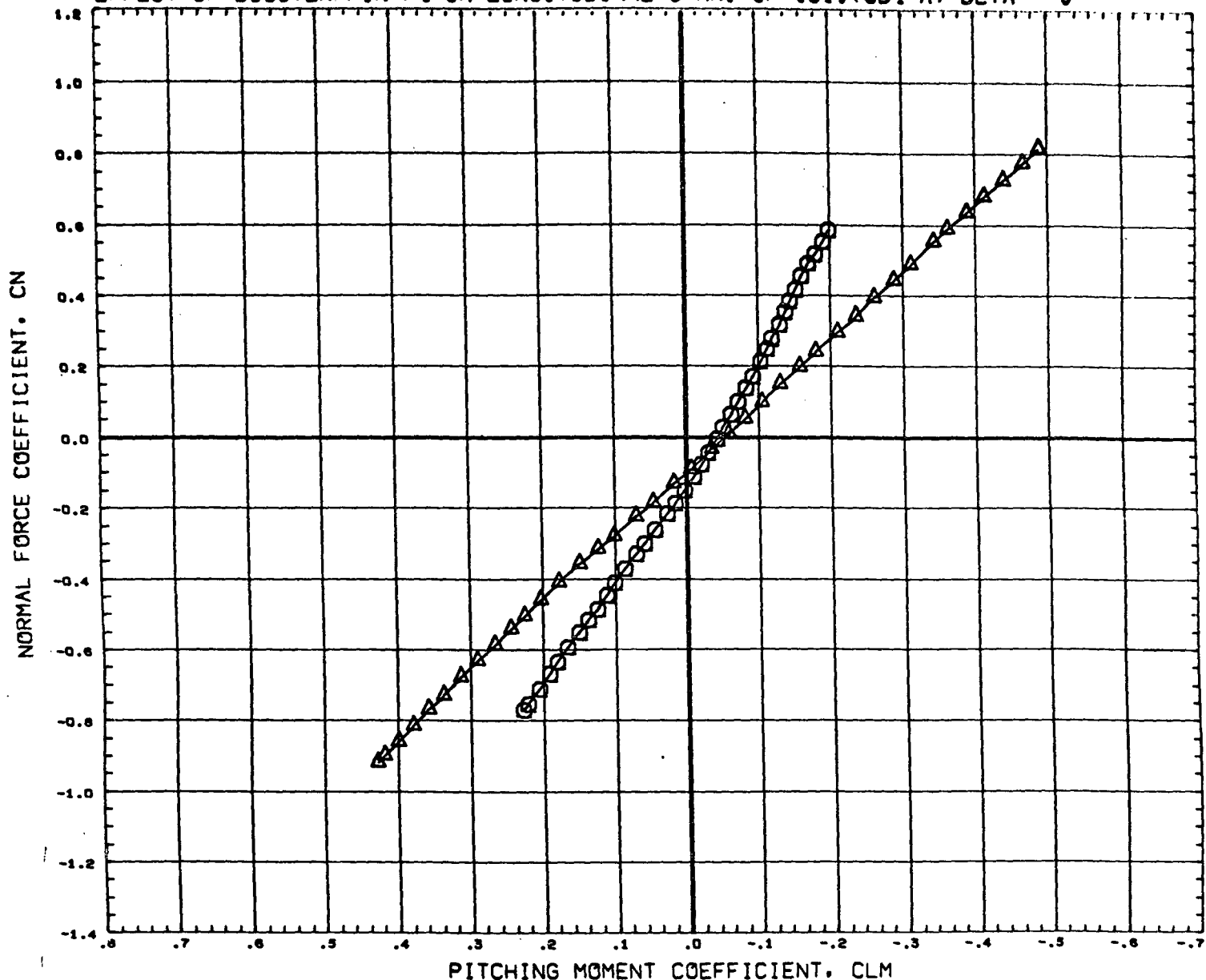
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7495) (0) MDAC S-222 COMPOSITE (T-CG) (01) T3B4
 (CD7444) (1) MDAC S-222 COMPOSITE (T-CG) (01) T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
0.000	0.000	0.000	0.000	SREF	3155.3040	SQ. FT.
0.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

PAGE 545

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 0

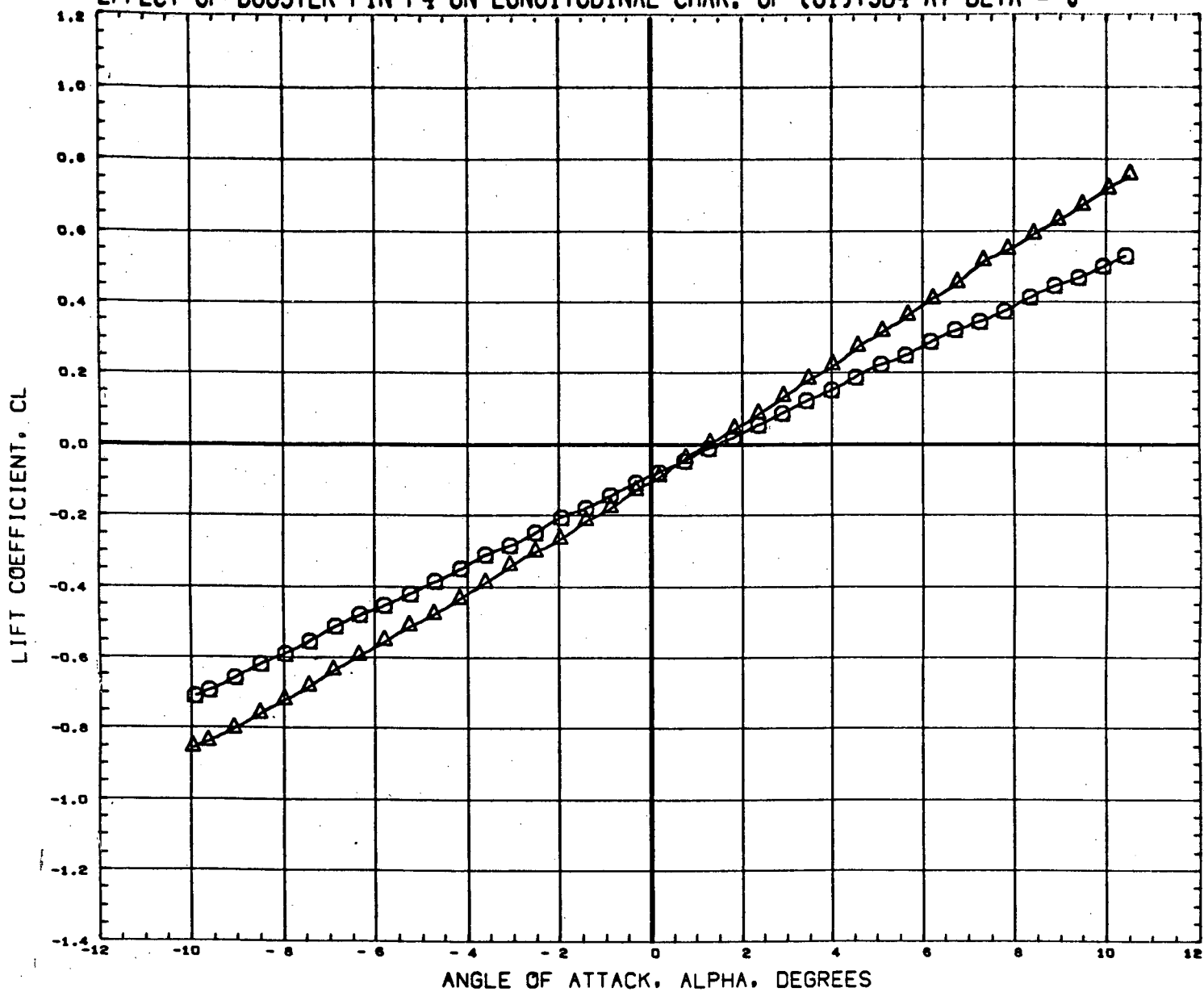


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7495)	MDAC S-222 COMPOSITE (T-CG) (01) T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A4)	MDAC S-222 COMPOSITE (T-CG) (01) T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 0

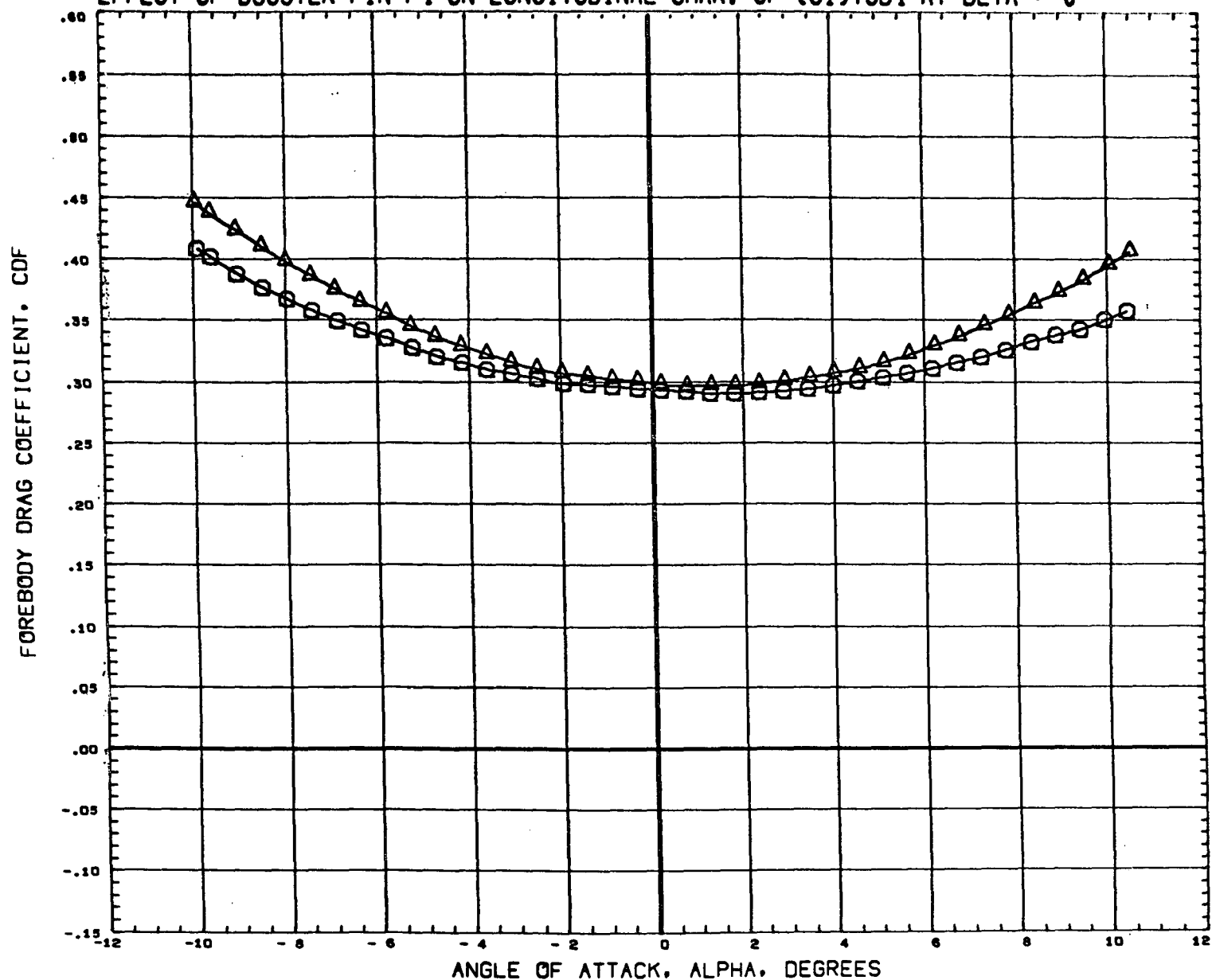


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7495)	MDAC S-222 COMPOSITE (T-CG) (01)T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A4)	MDAC S-222 COMPOSITE (T-CG) (01)T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (O1)T3B4 AT BETA = 0

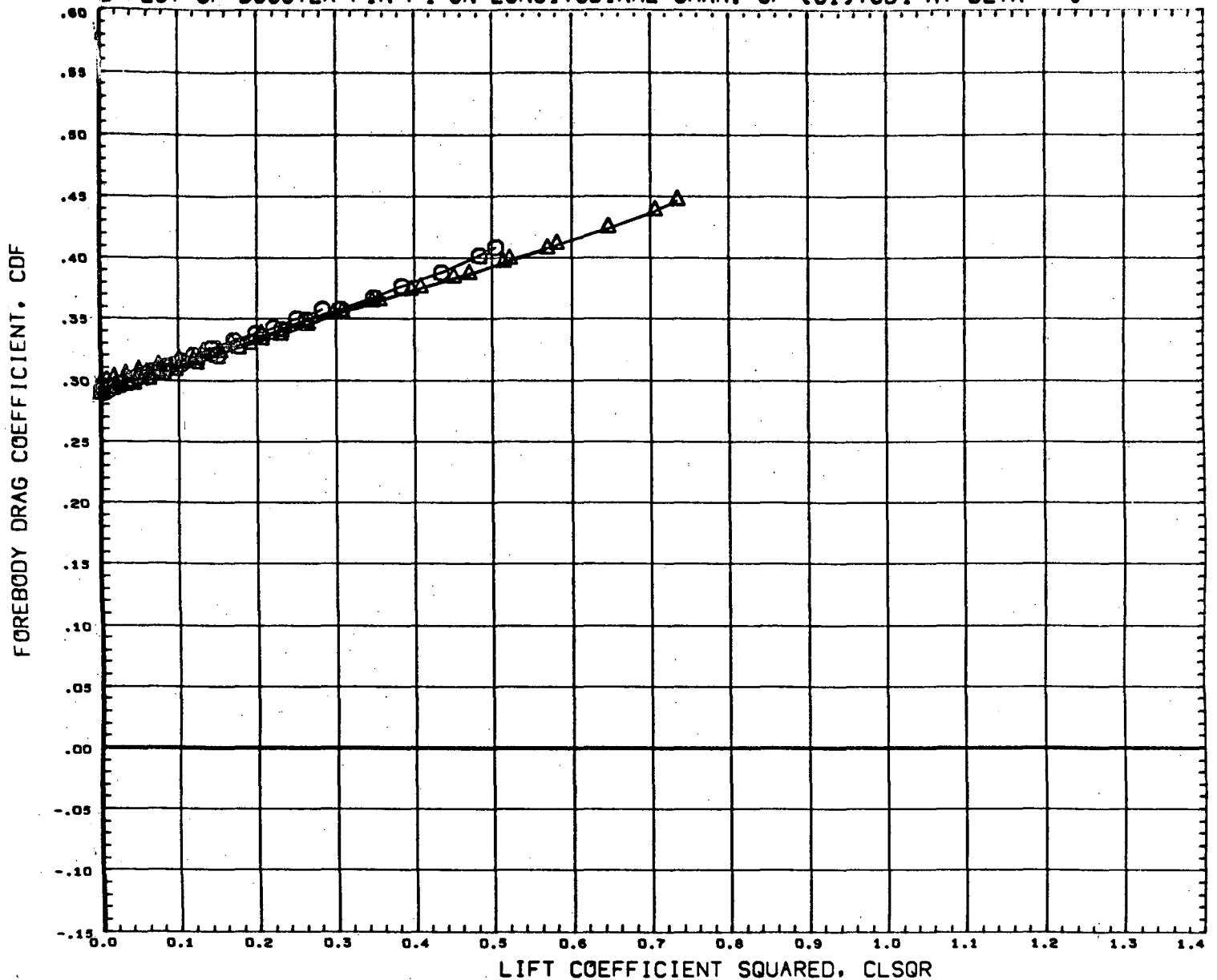


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7495)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7444)	MDAC S-222 COMPOSITE (T-CG) (O1) T3B4F4	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 0



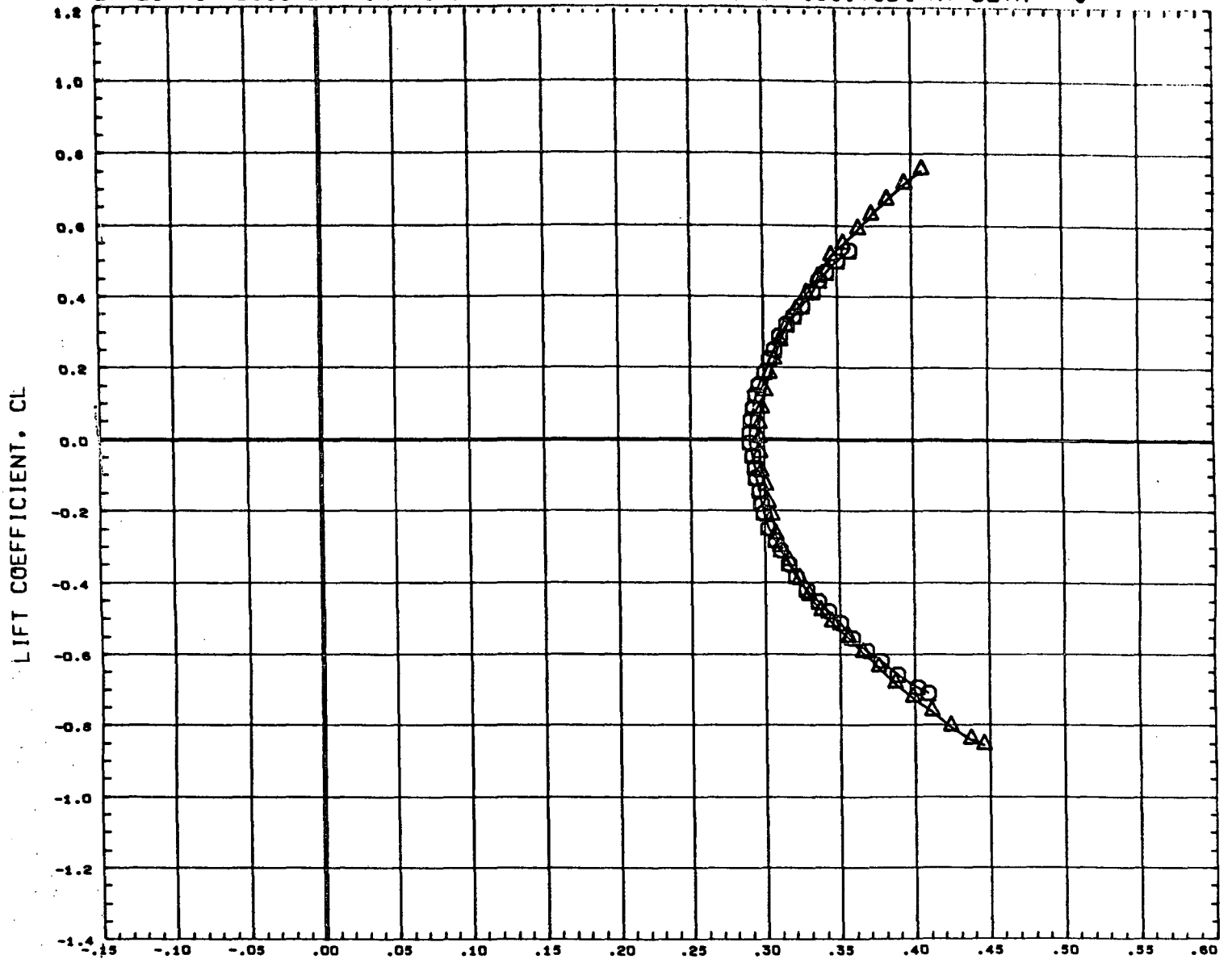
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7495) (01)T3B4
 (CD74A4) (01)T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 0



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7495)	MDAC S-222 COMPOSITE (T-CG) (01)T3B4
(CD74A4)	MDAC S-222 COMPOSITE (T-CG) (01)T3B4F4

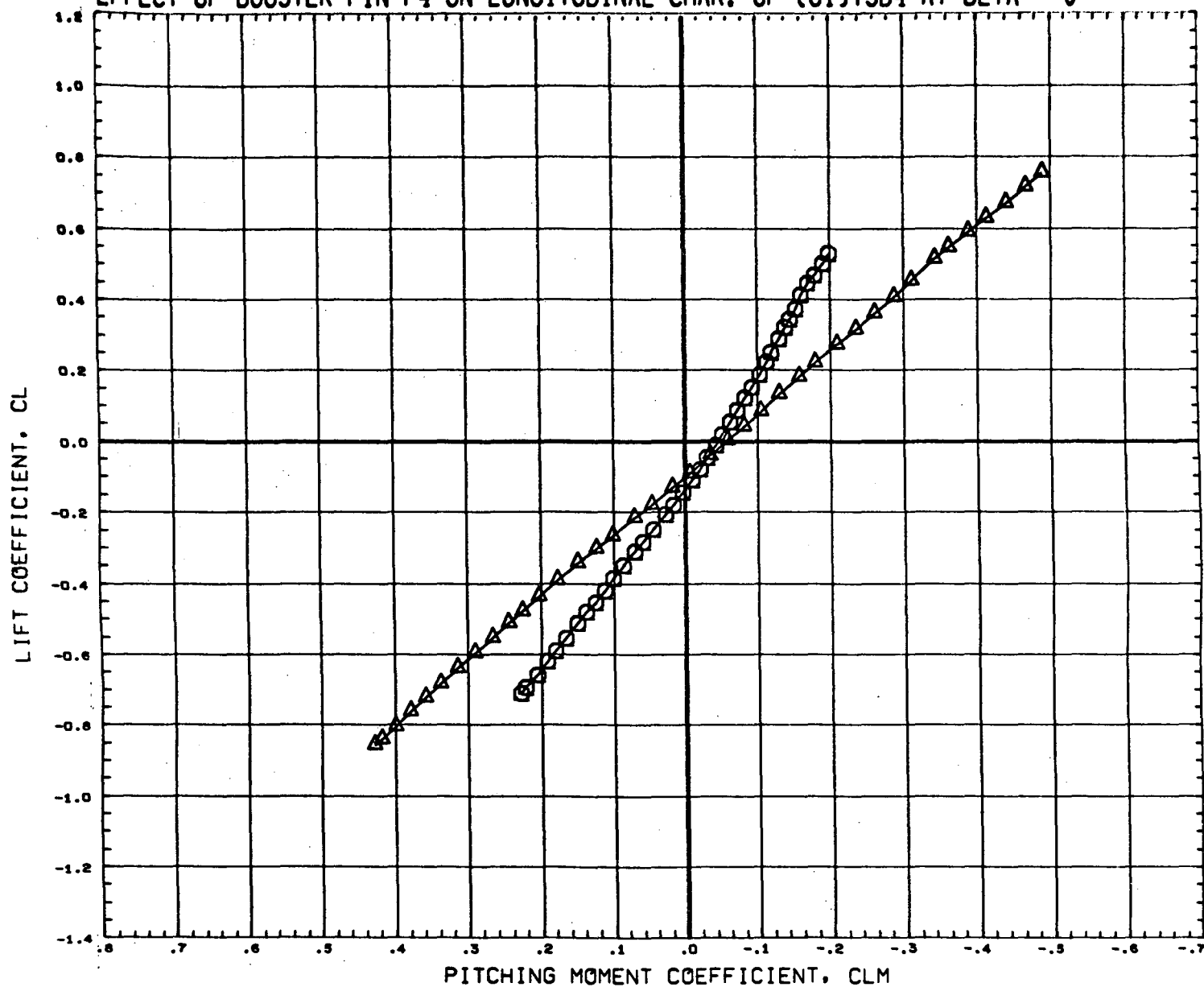
BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
YMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (O1)T3B4 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7495) (O) MDAC S-222 COMPOSITE (T-CG) (O1)T3B4
 (CD74A4) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)T3B4F4

BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

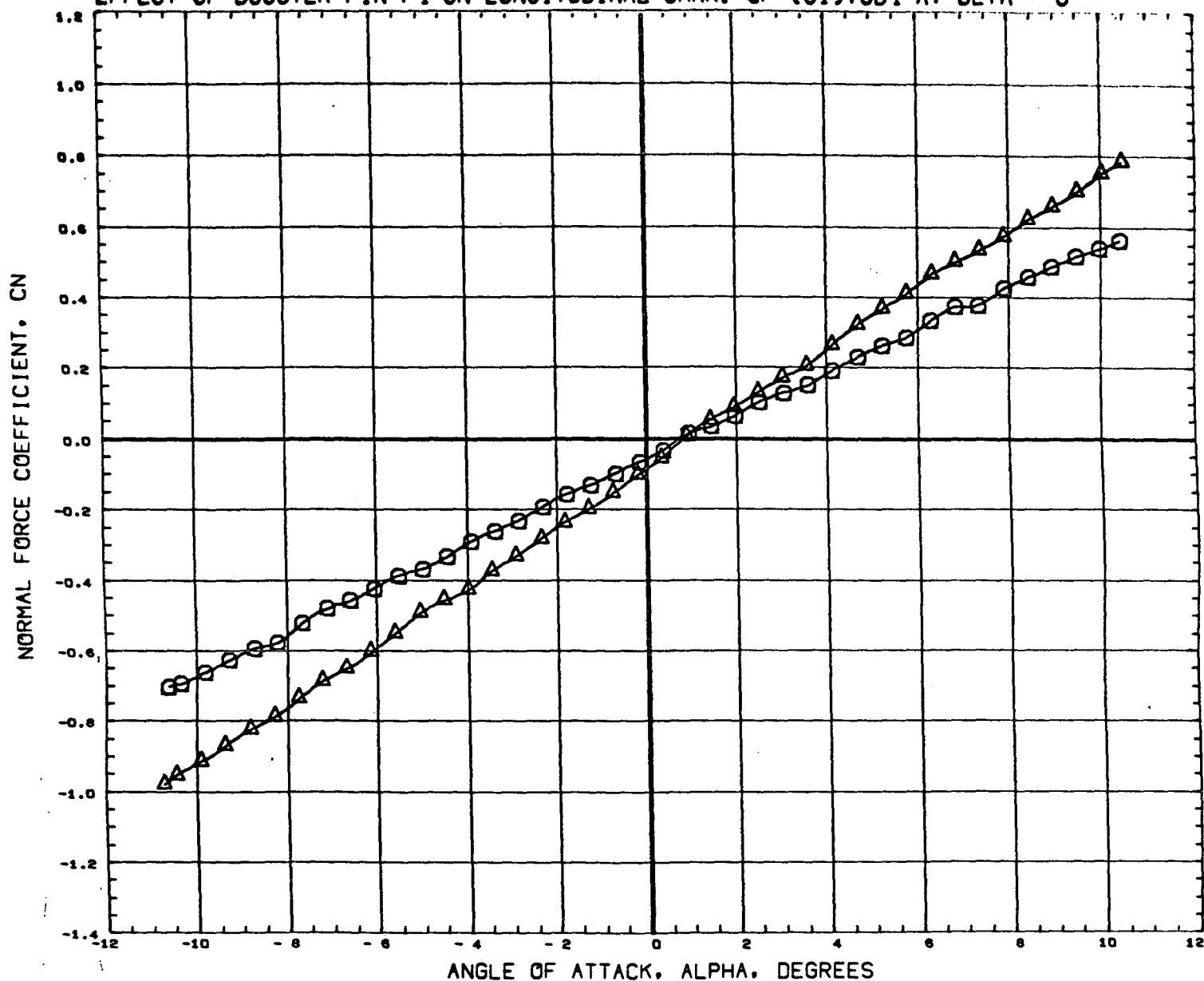
REFERENCE INFORMATION

SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 682.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

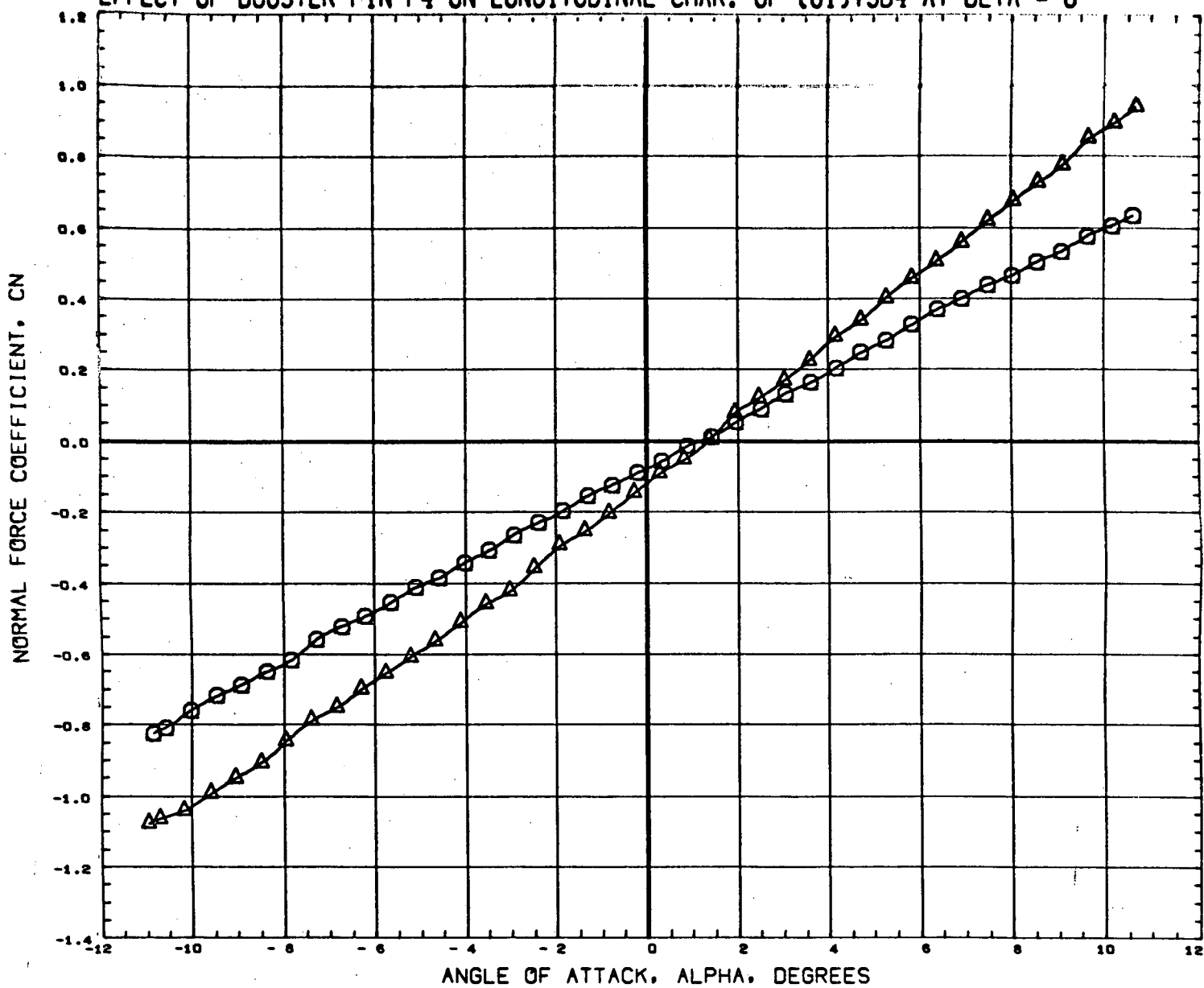


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	809.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 552

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



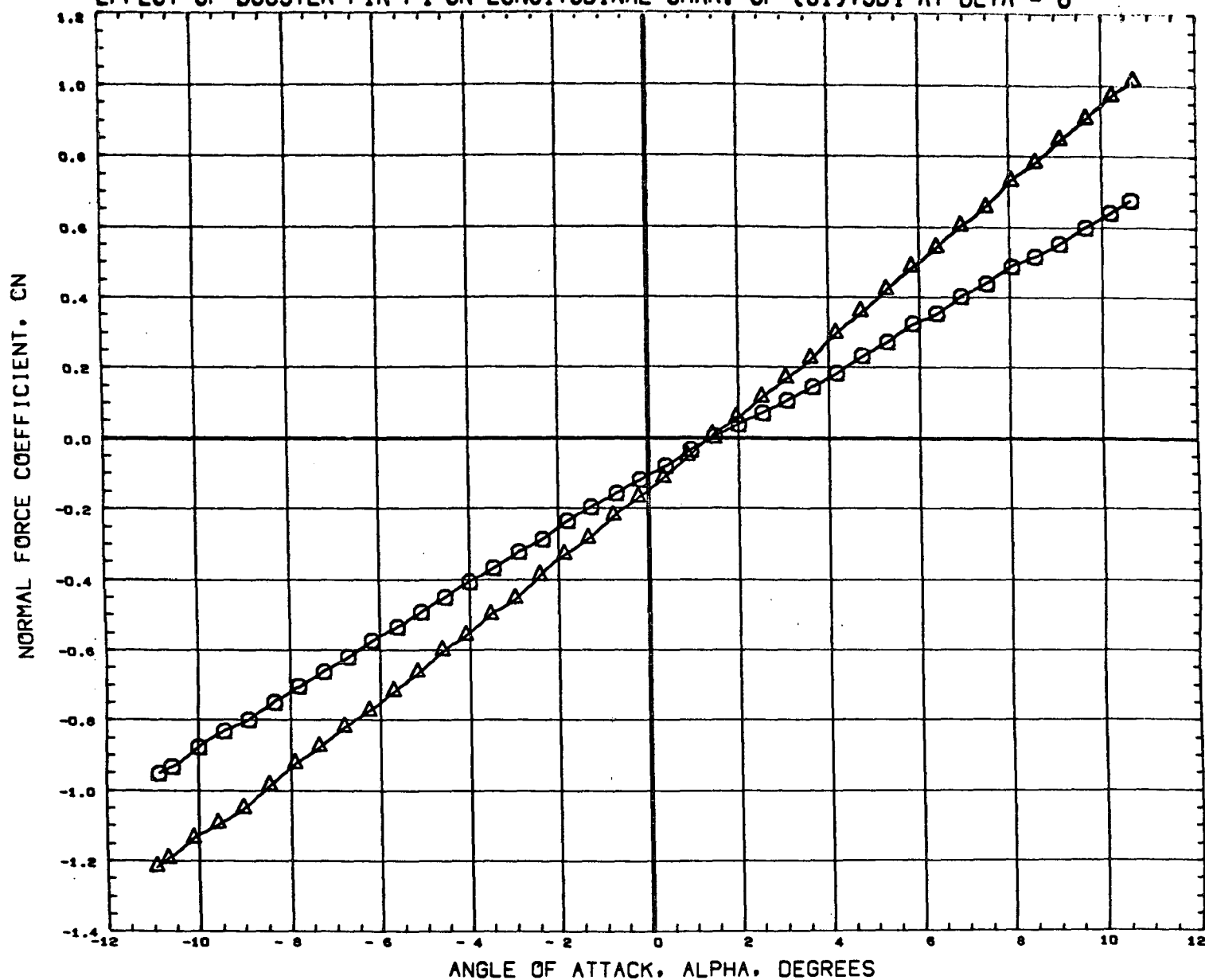
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) (0) NDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7527) (Δ) NDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 553

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

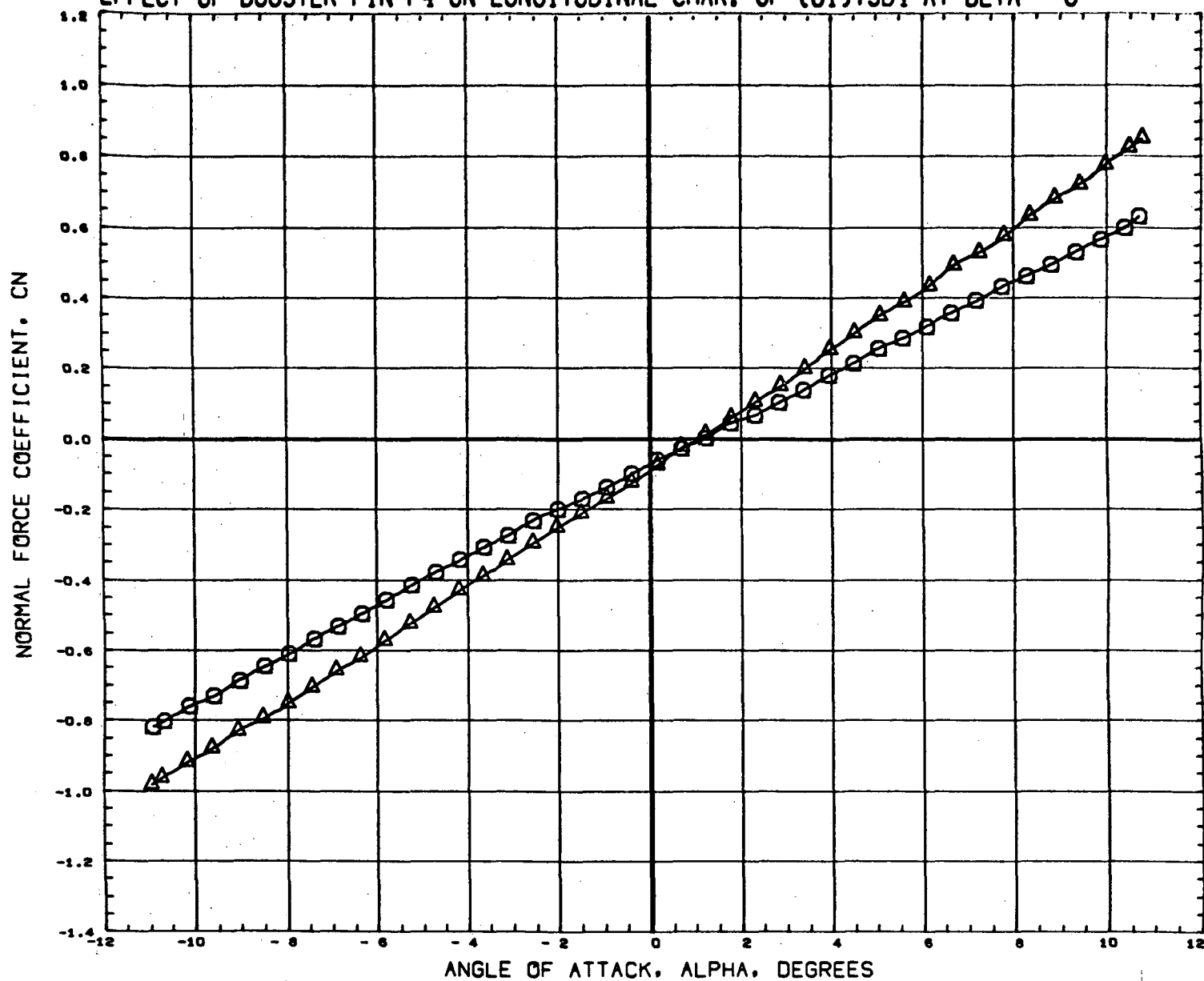


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRRP	557.0004 IN.
						YMRRP	0.0000 IN.
						ZMRRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

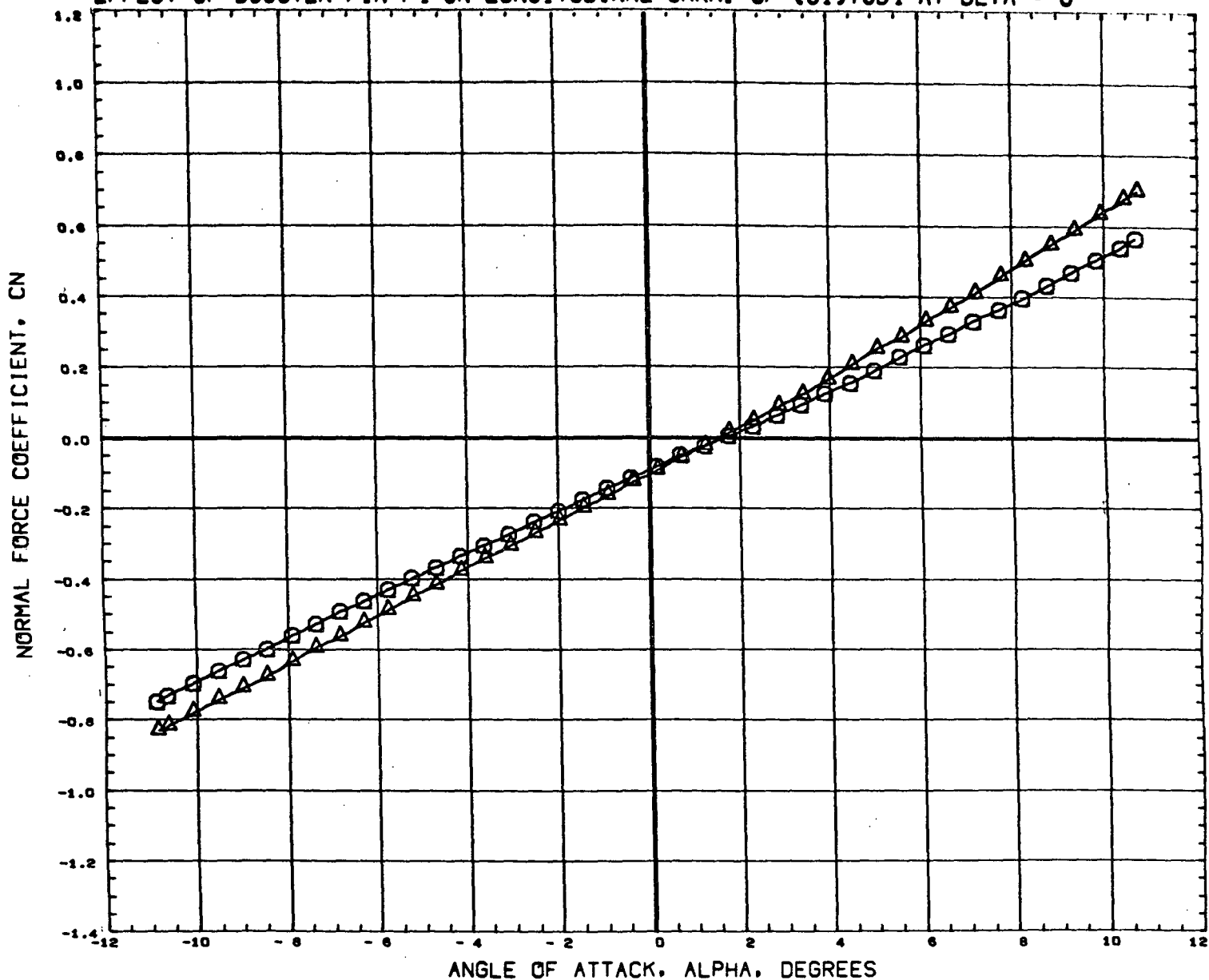


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0080

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

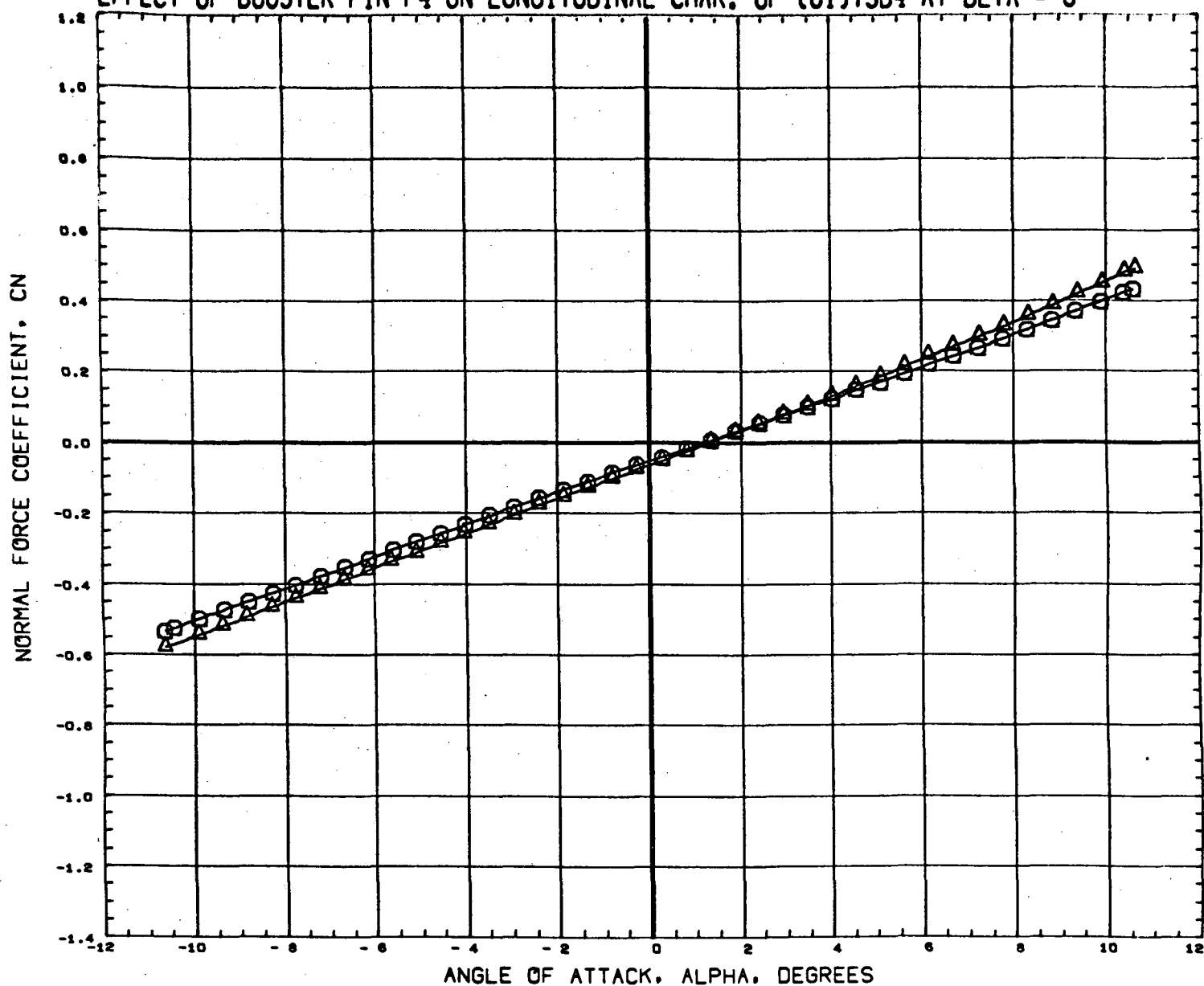


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-C6) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-C6) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

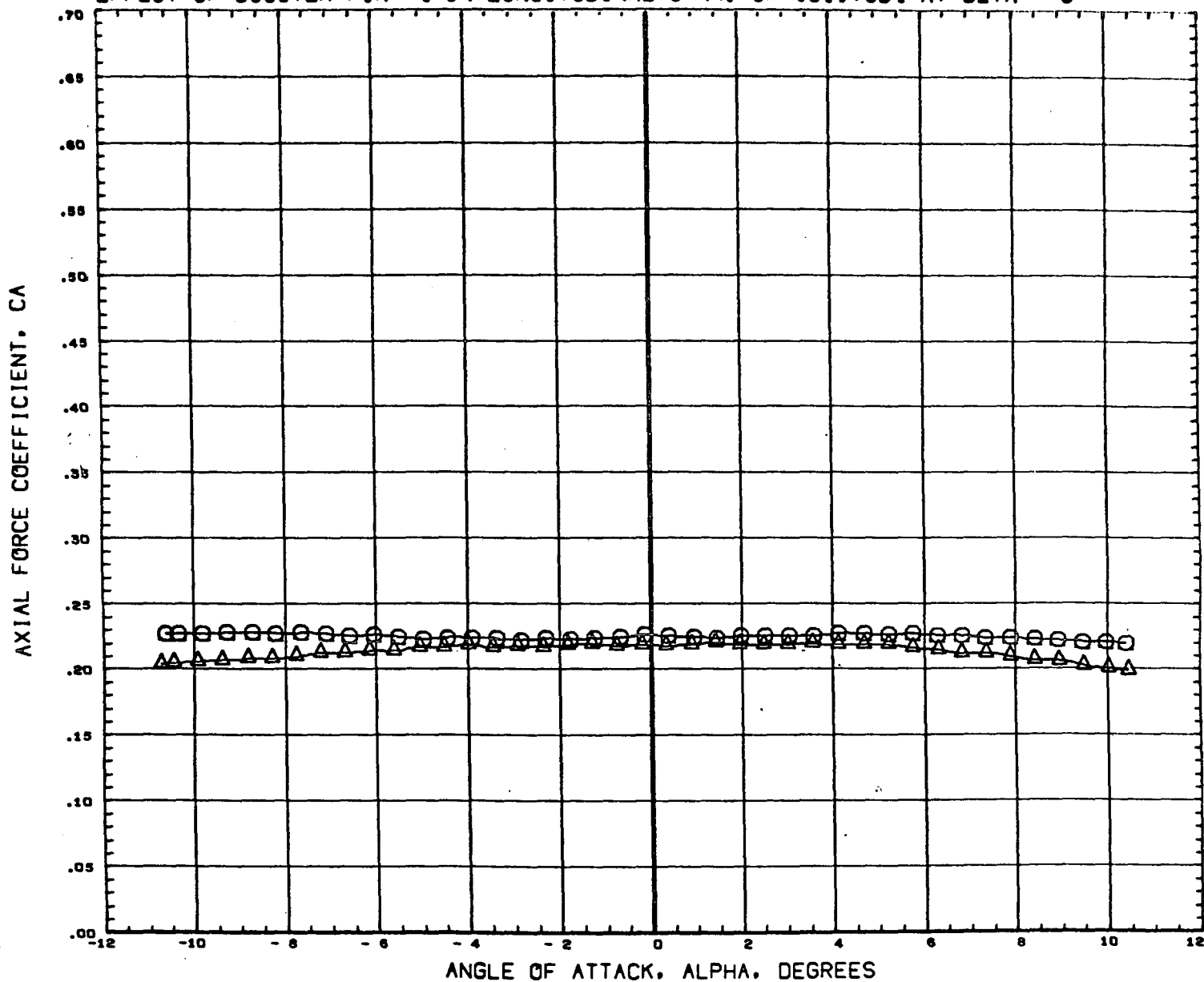
BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 4.47

PAGE 557

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

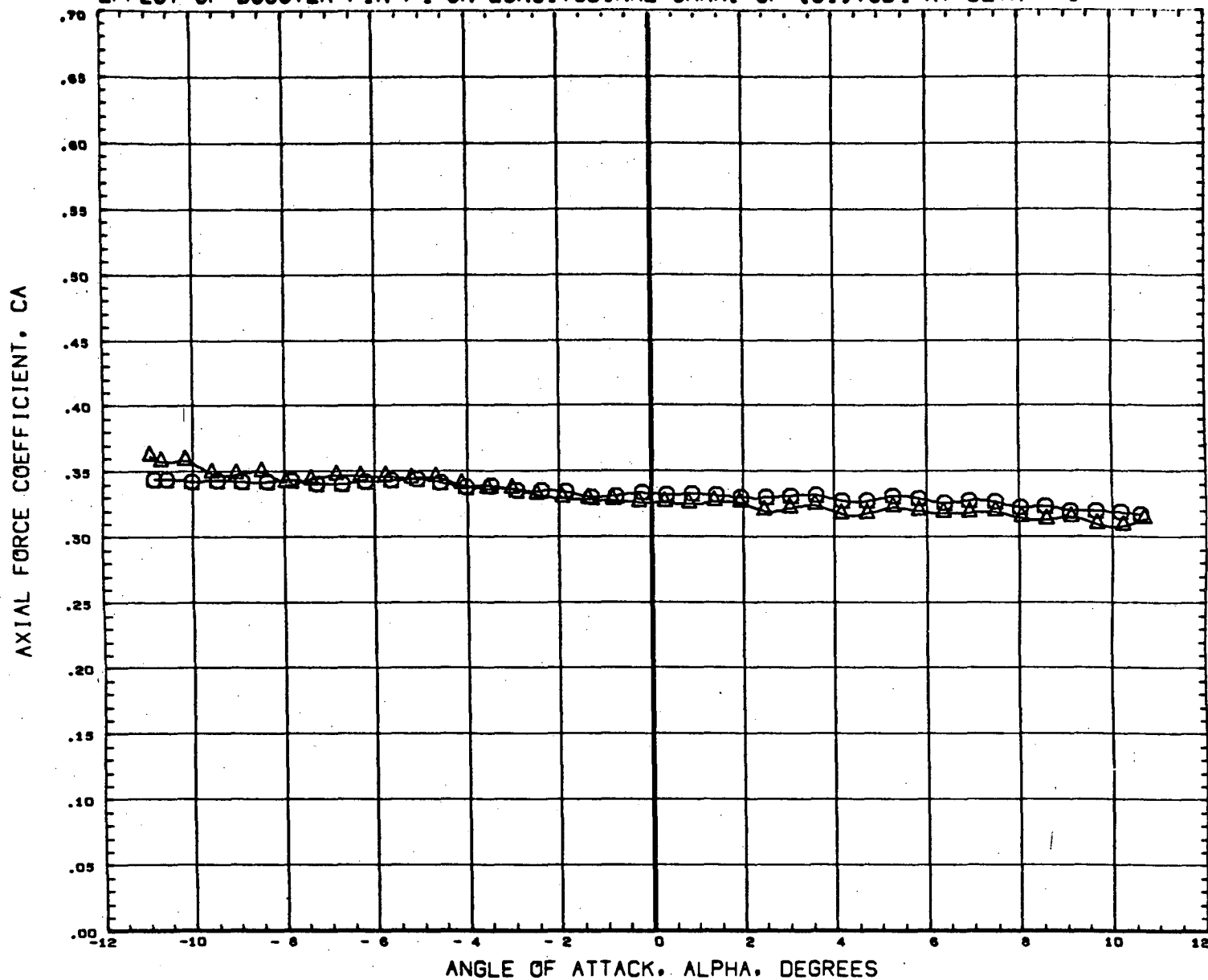


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

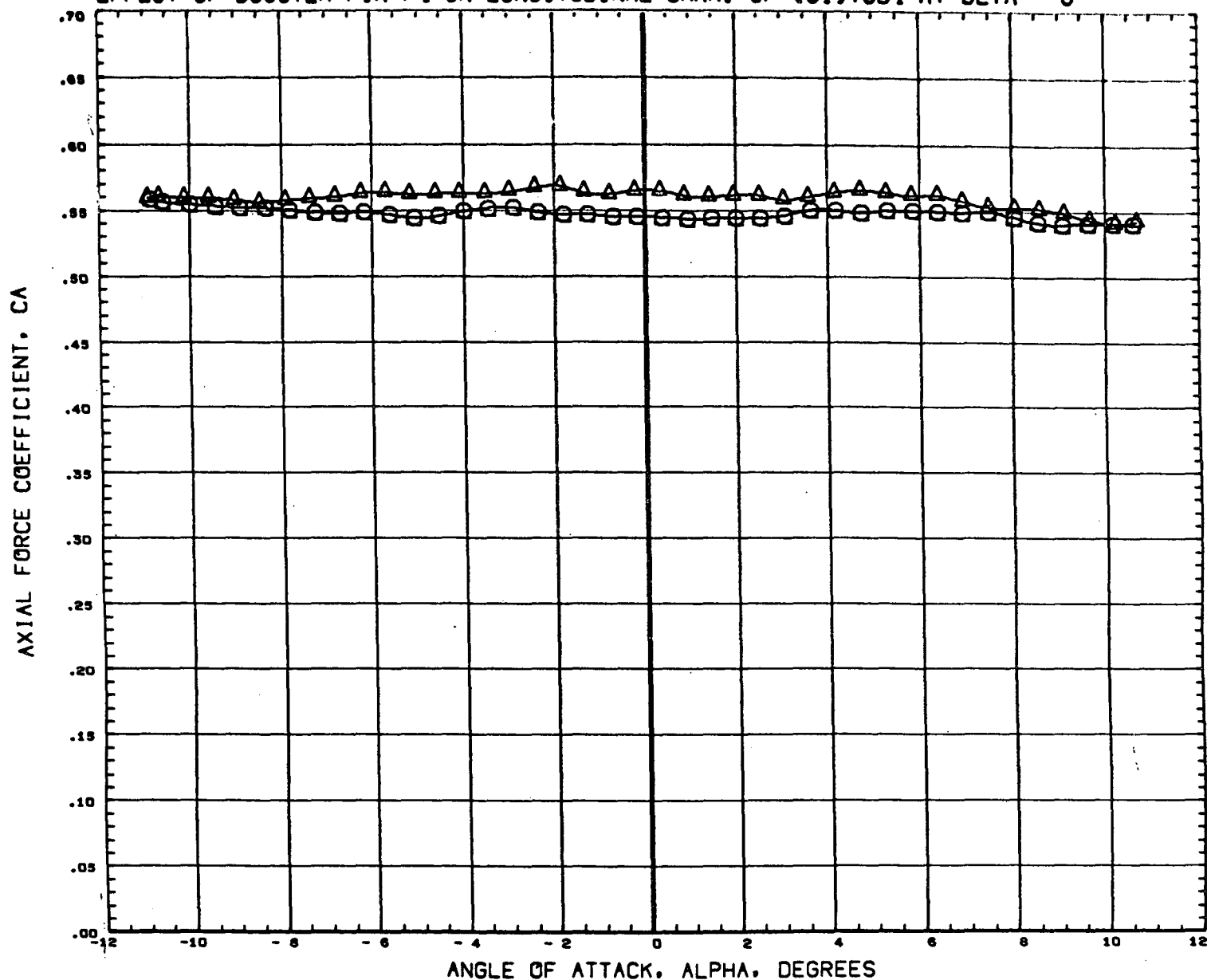


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



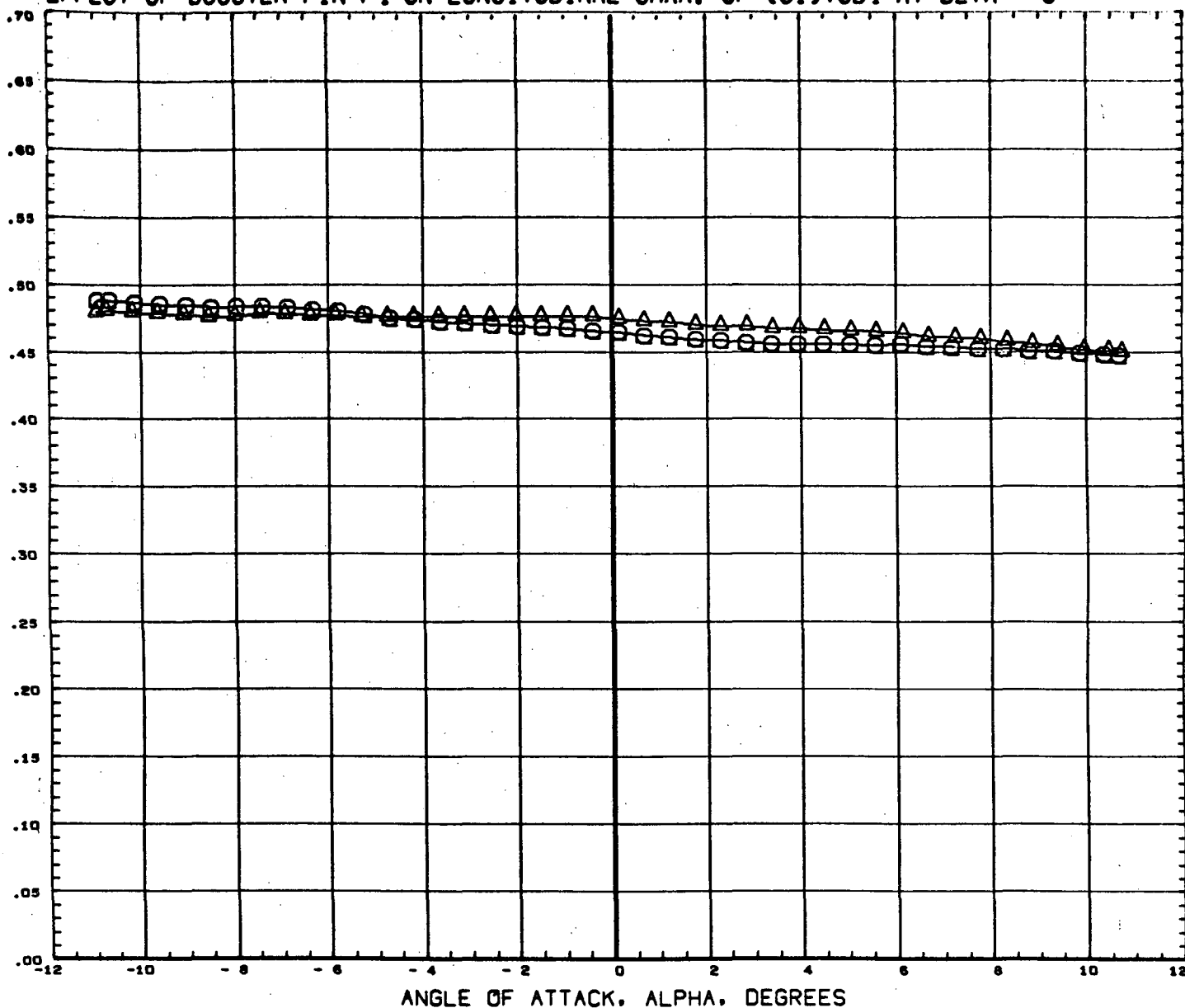
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

AXIAL FORCE COEFFICIENT, CA

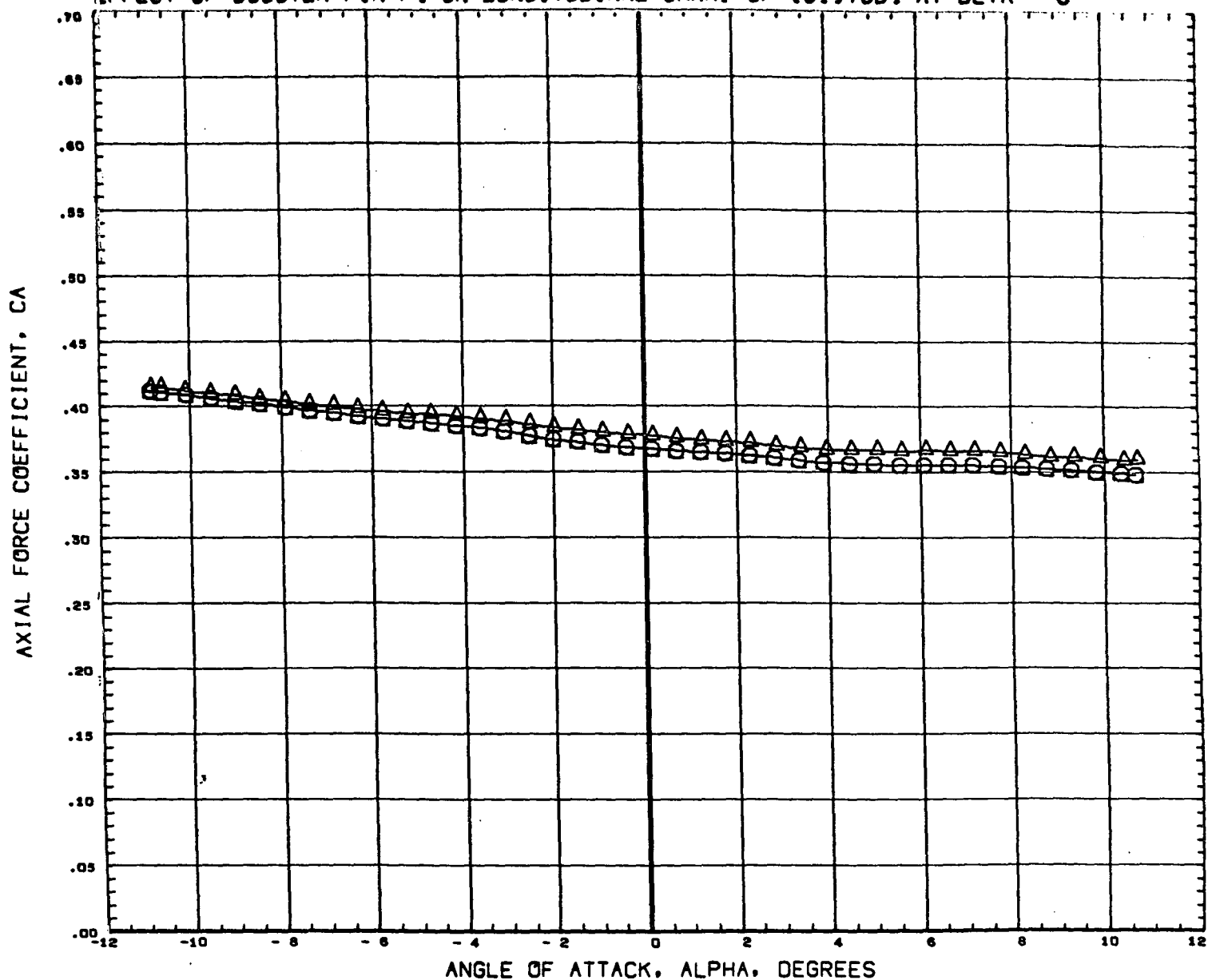


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

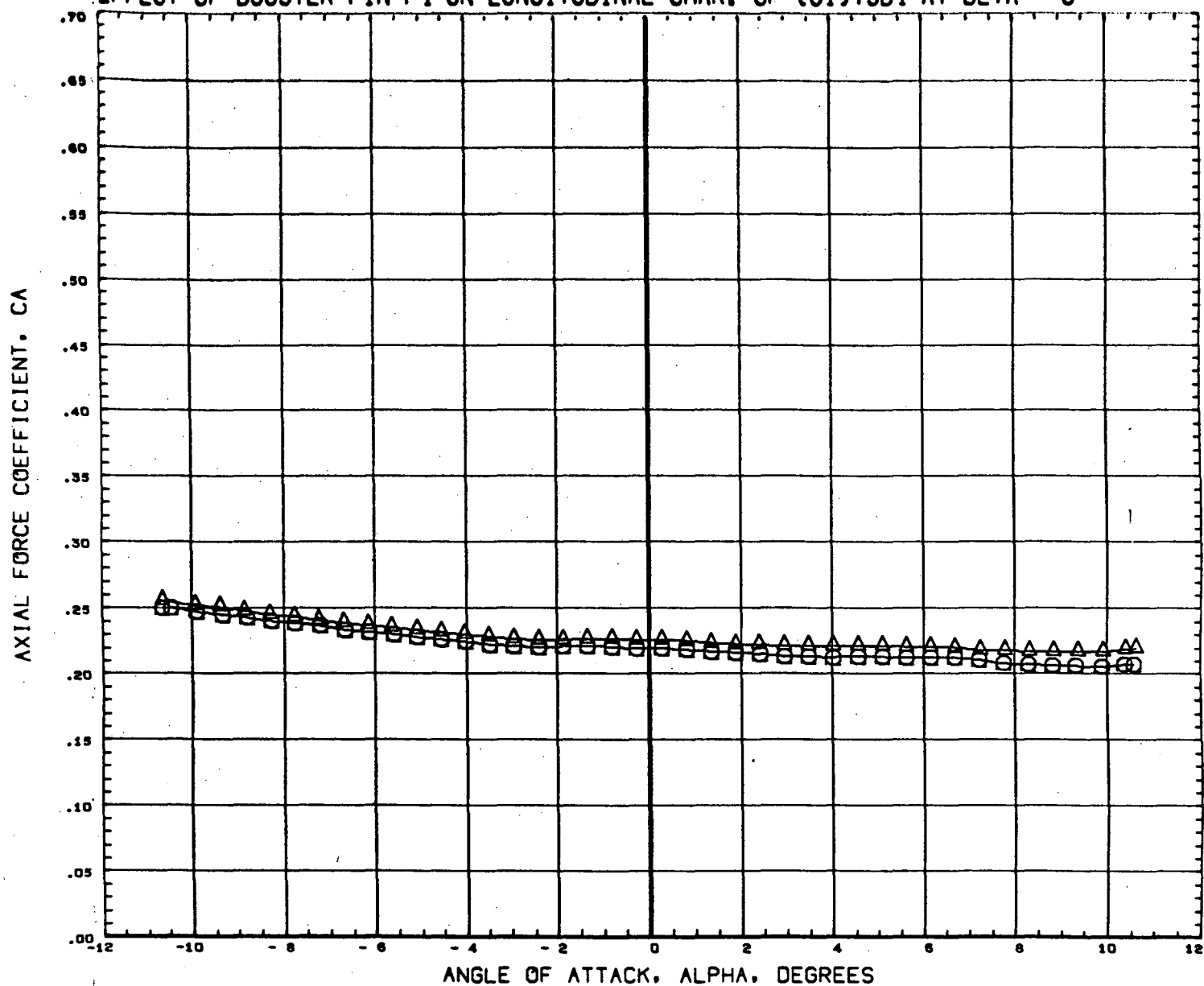


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	△	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	○	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRP	557.0004 IN.
							YMRP	0.0000 IN.
							ZMRP	200.0004 IN.
							SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

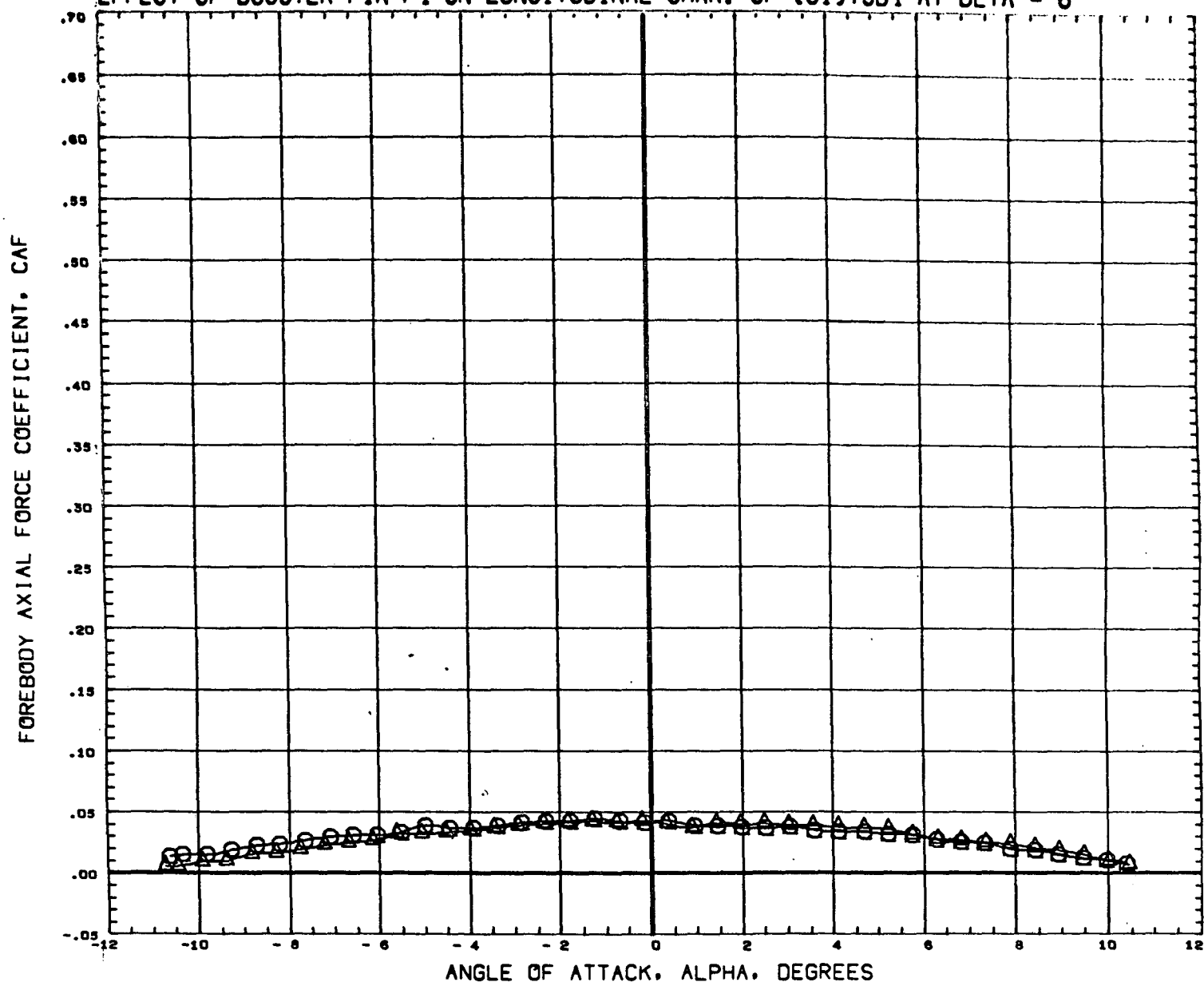


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040	30. FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.3004	IN.
						BREF	682.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

PAGE 563

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

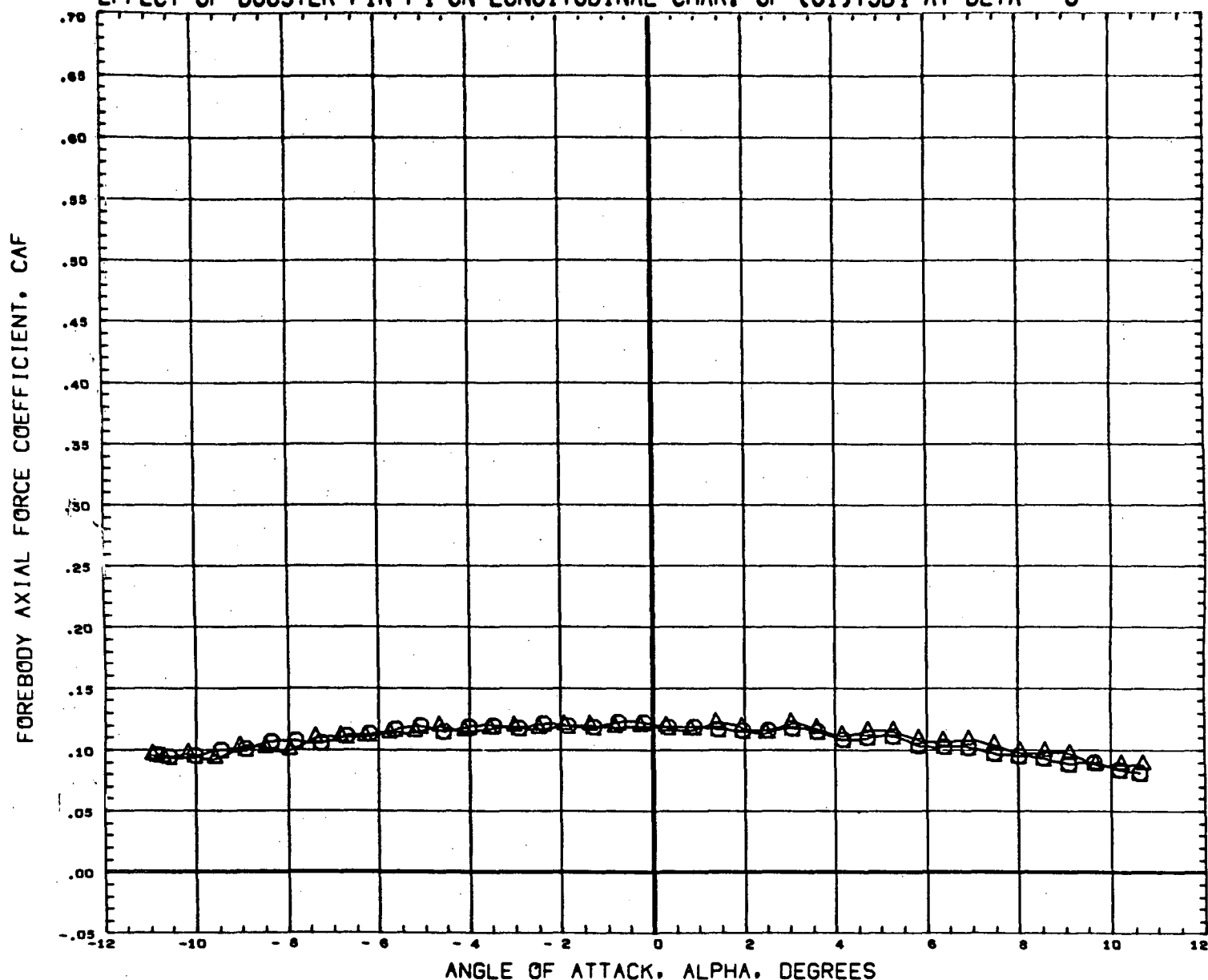


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

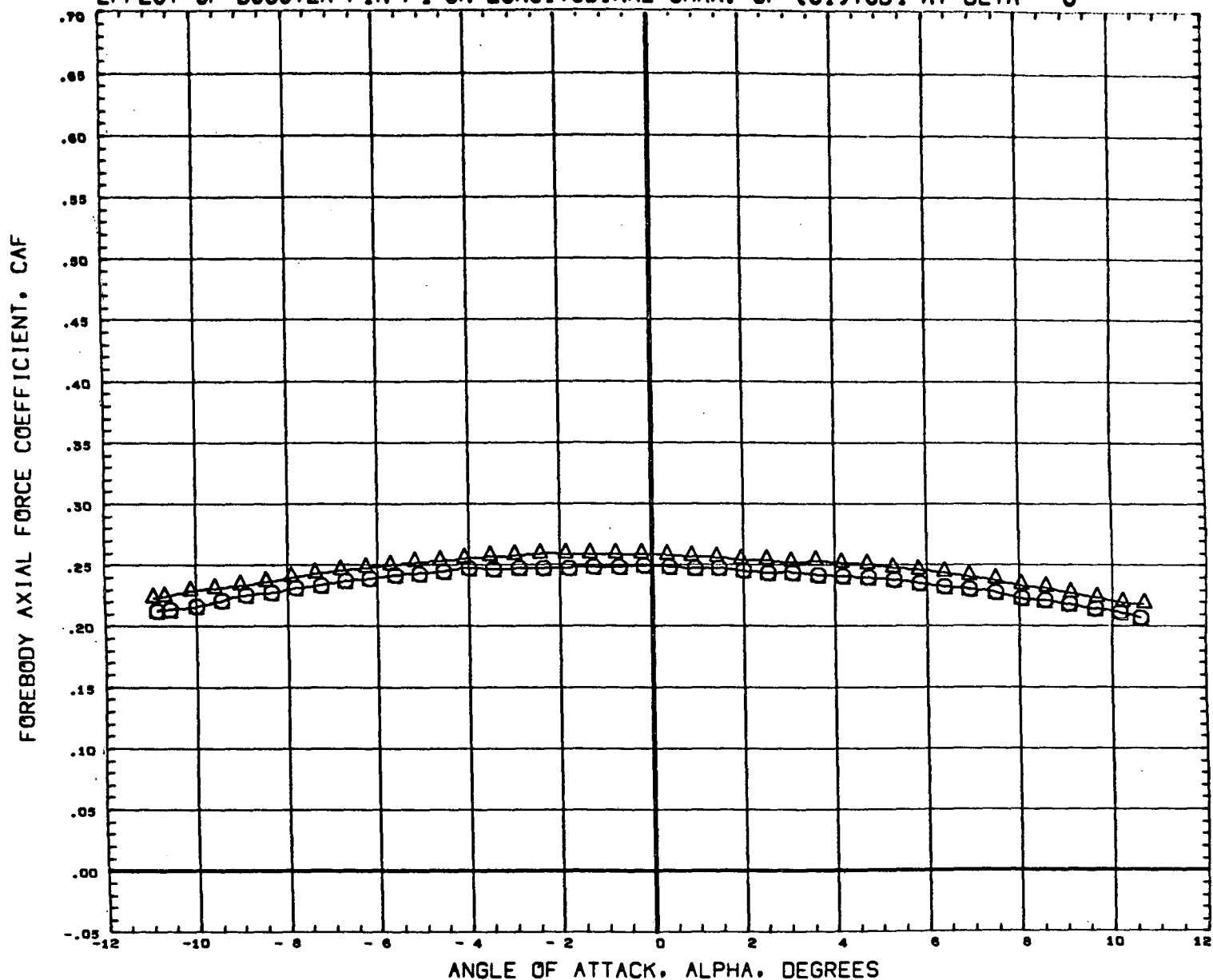


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE(T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE(T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
(CD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

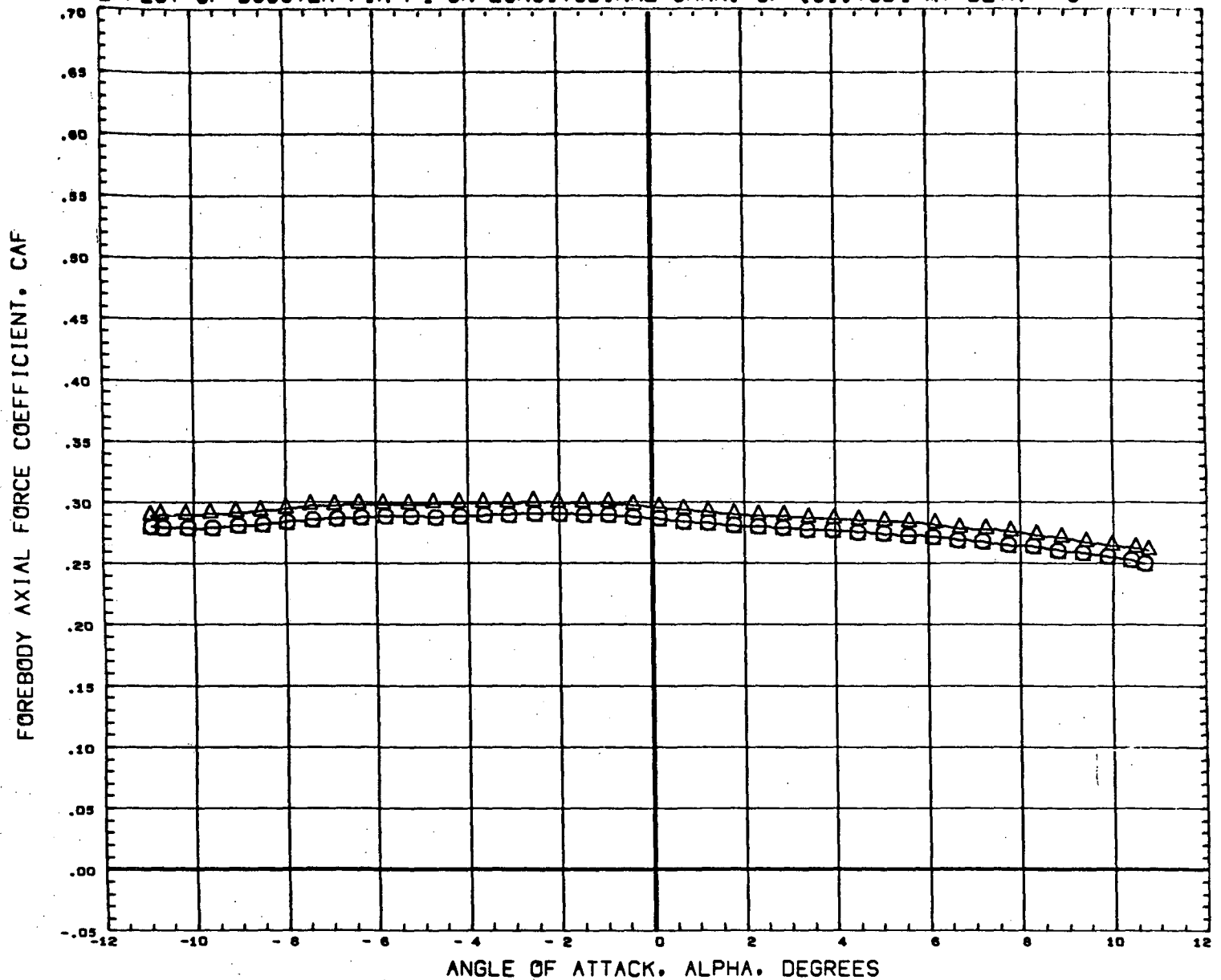
BETA ELEVTR AILRON RUDDER
6.000 0.000 0.000 0.000
6.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 1.08

PAGE 566

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

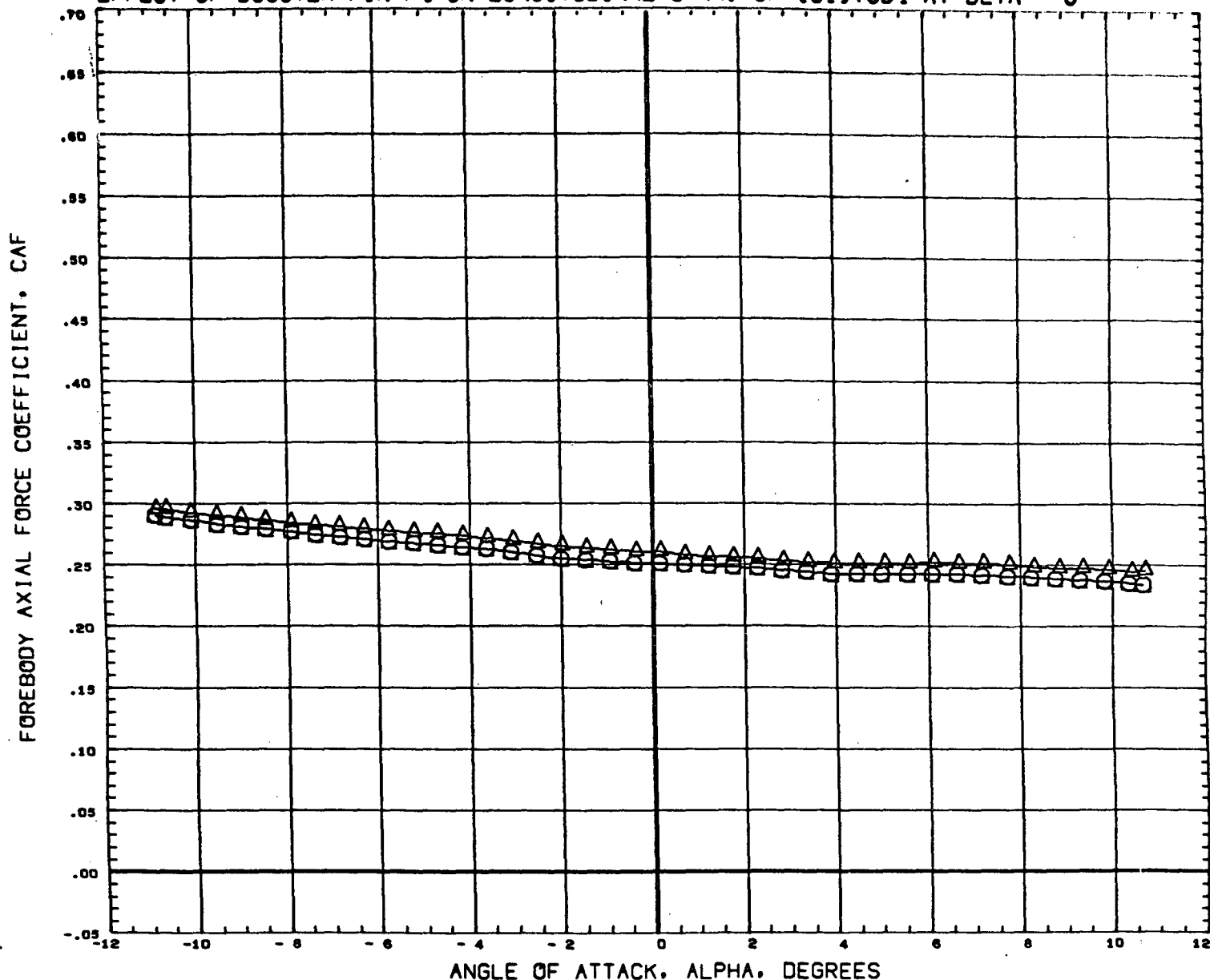


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
(CD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

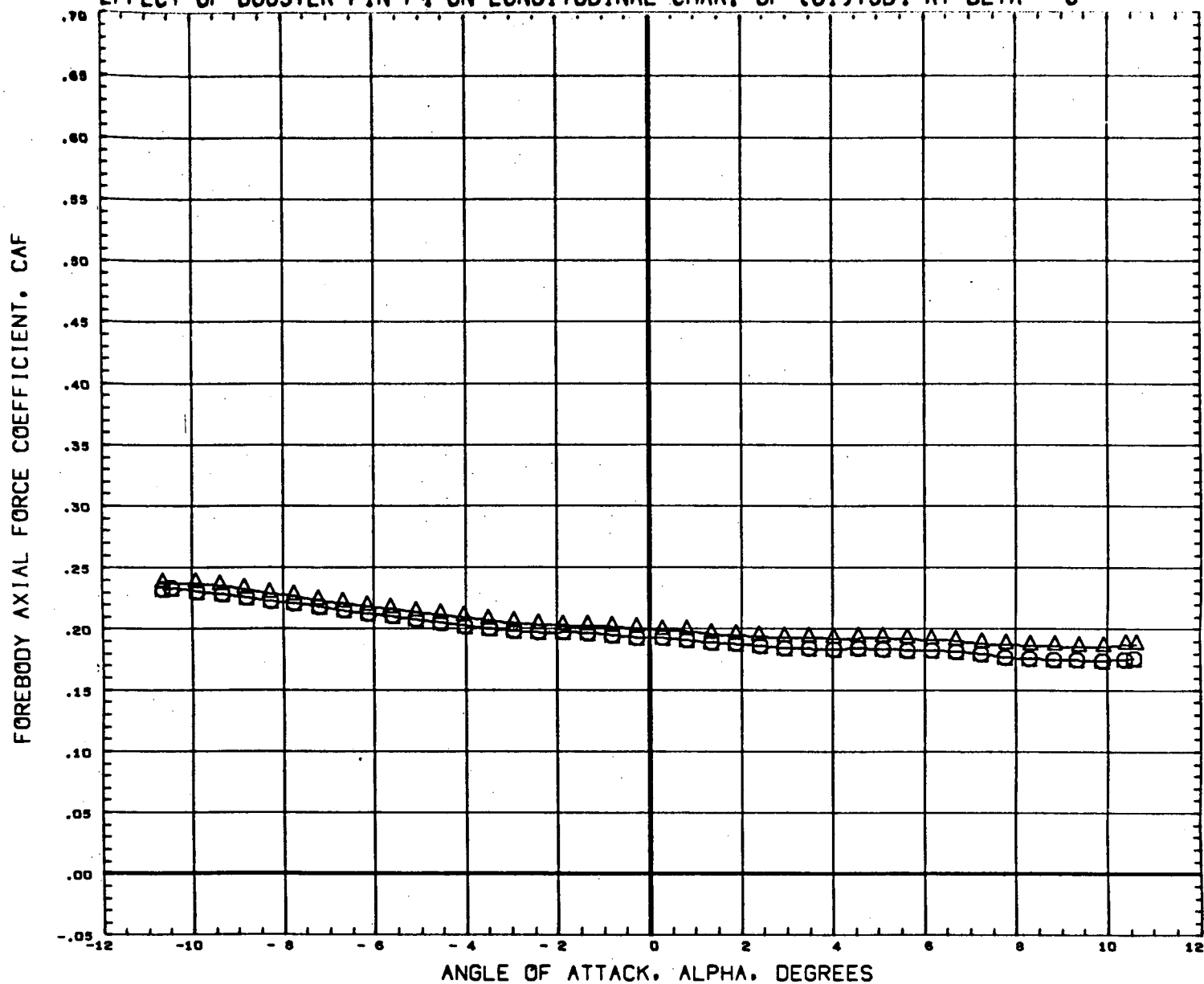
BETA ELEVTR AILRON RUDDER
6.000 0.000 0.000 0.000
6.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

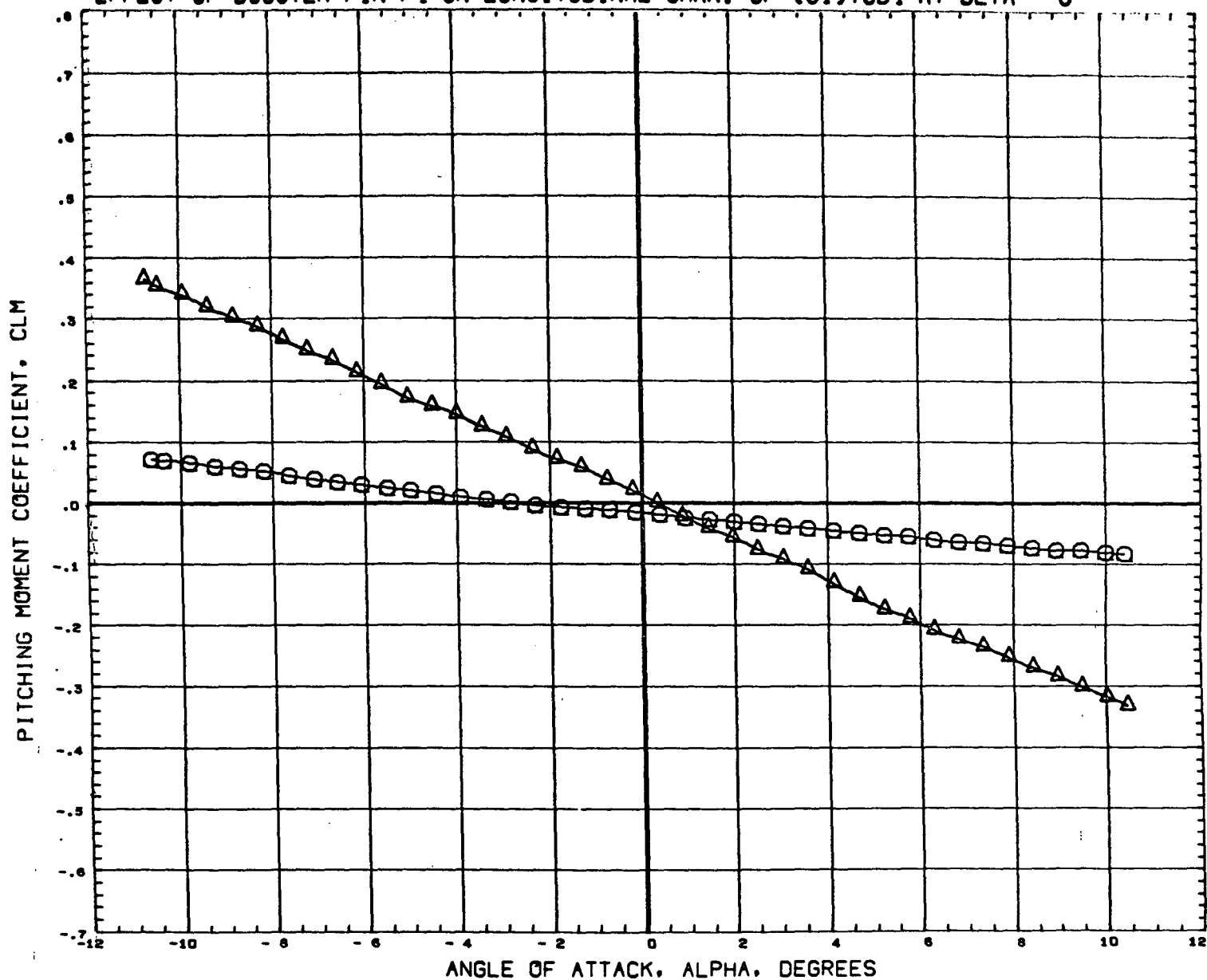


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE(T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE(T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

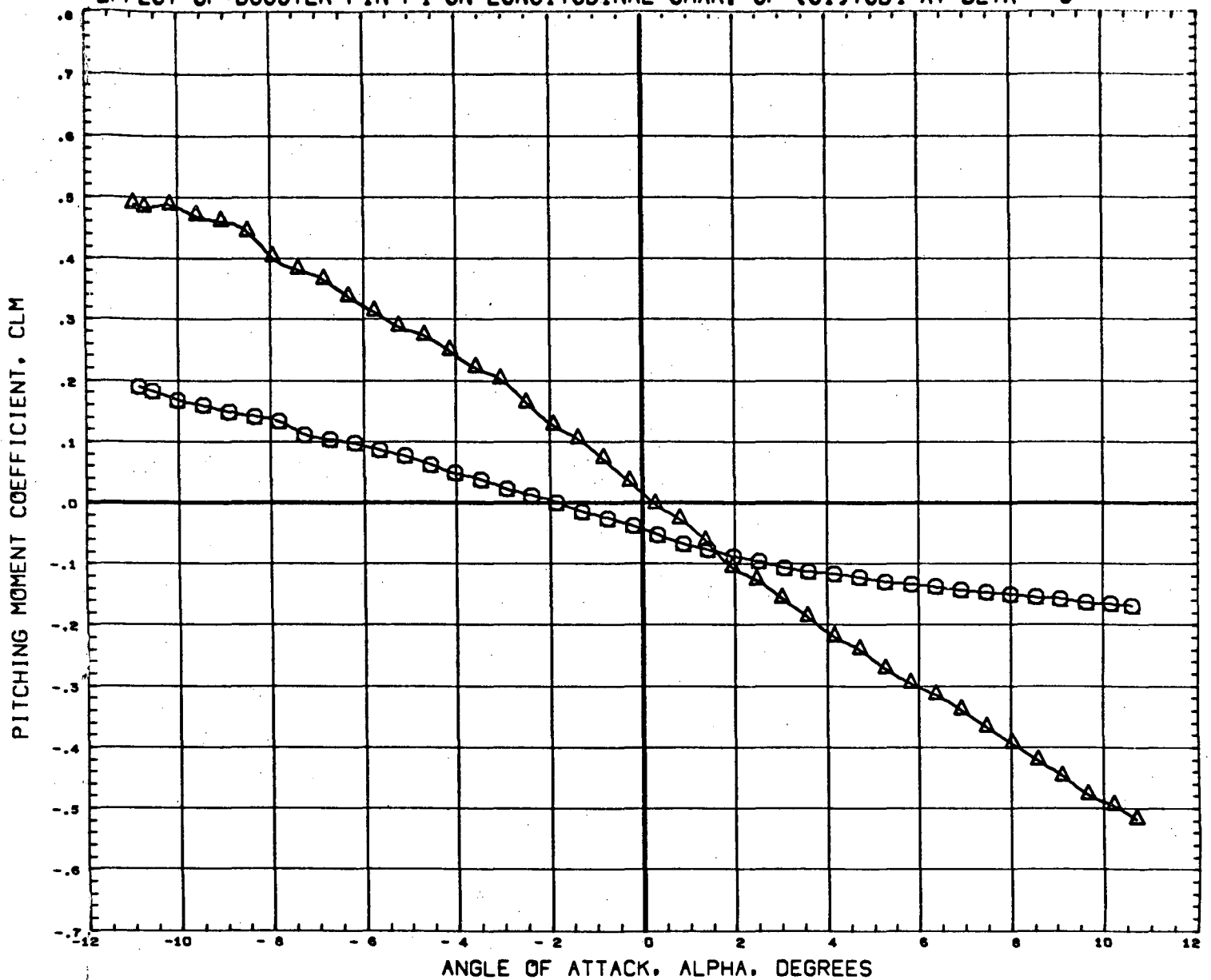


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMHP	557.0004	IN.
						YMHP	0.0000	IN.
						ZMHP	200.0004	IN.
						SCALE	0.0060	

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

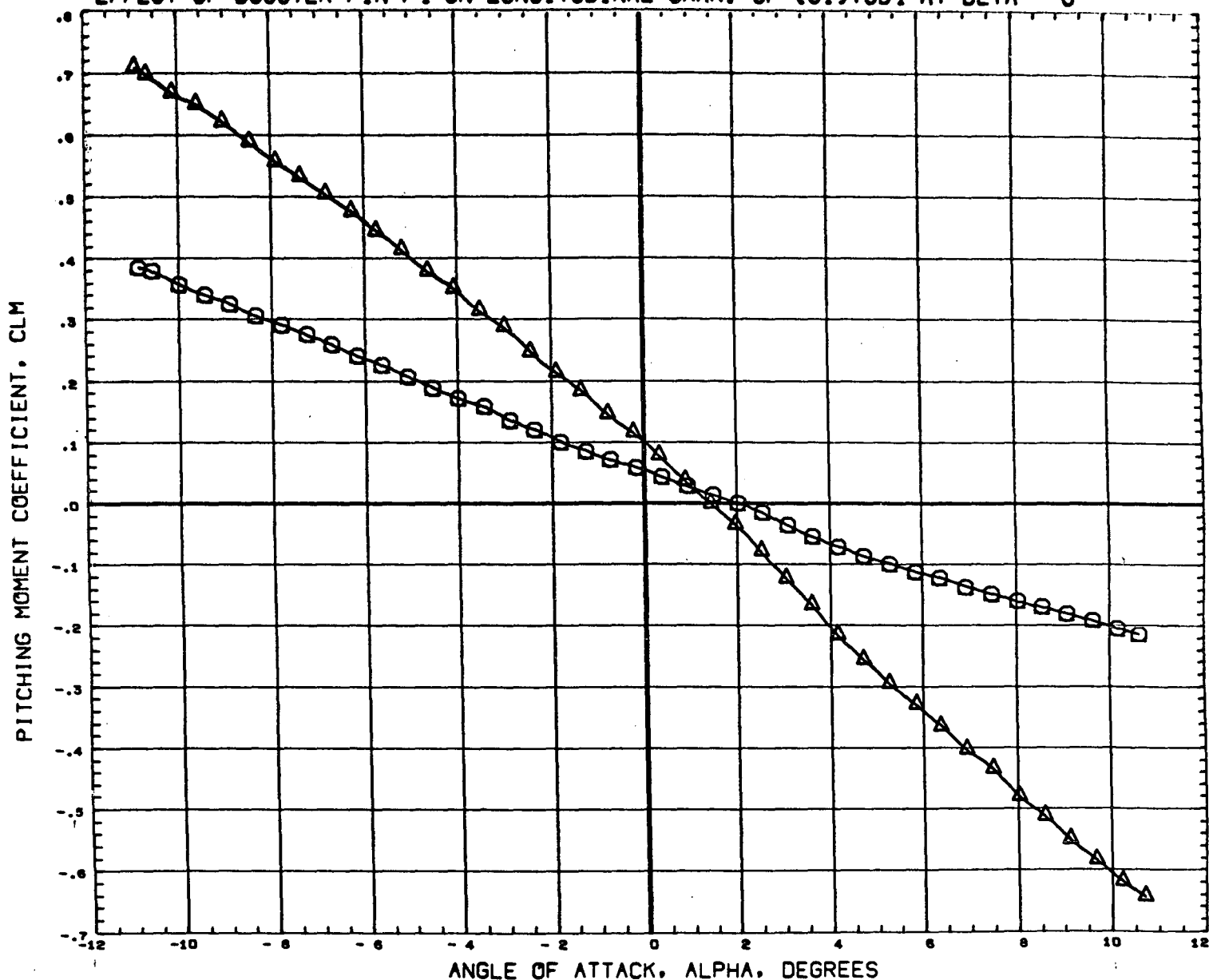
(CD7522) (0) MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527) (Δ) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



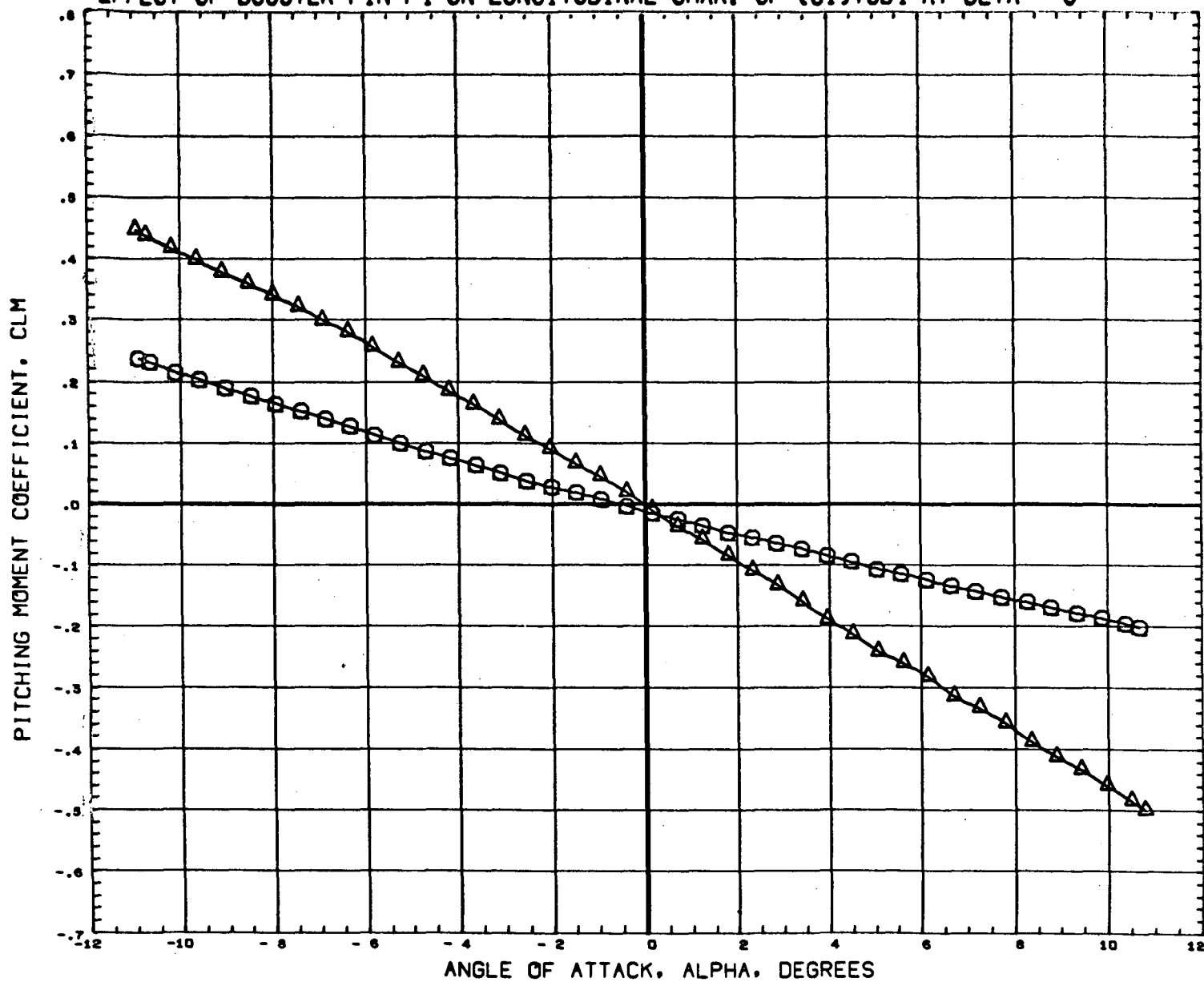
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) ○ MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				YMRP	557.0004 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

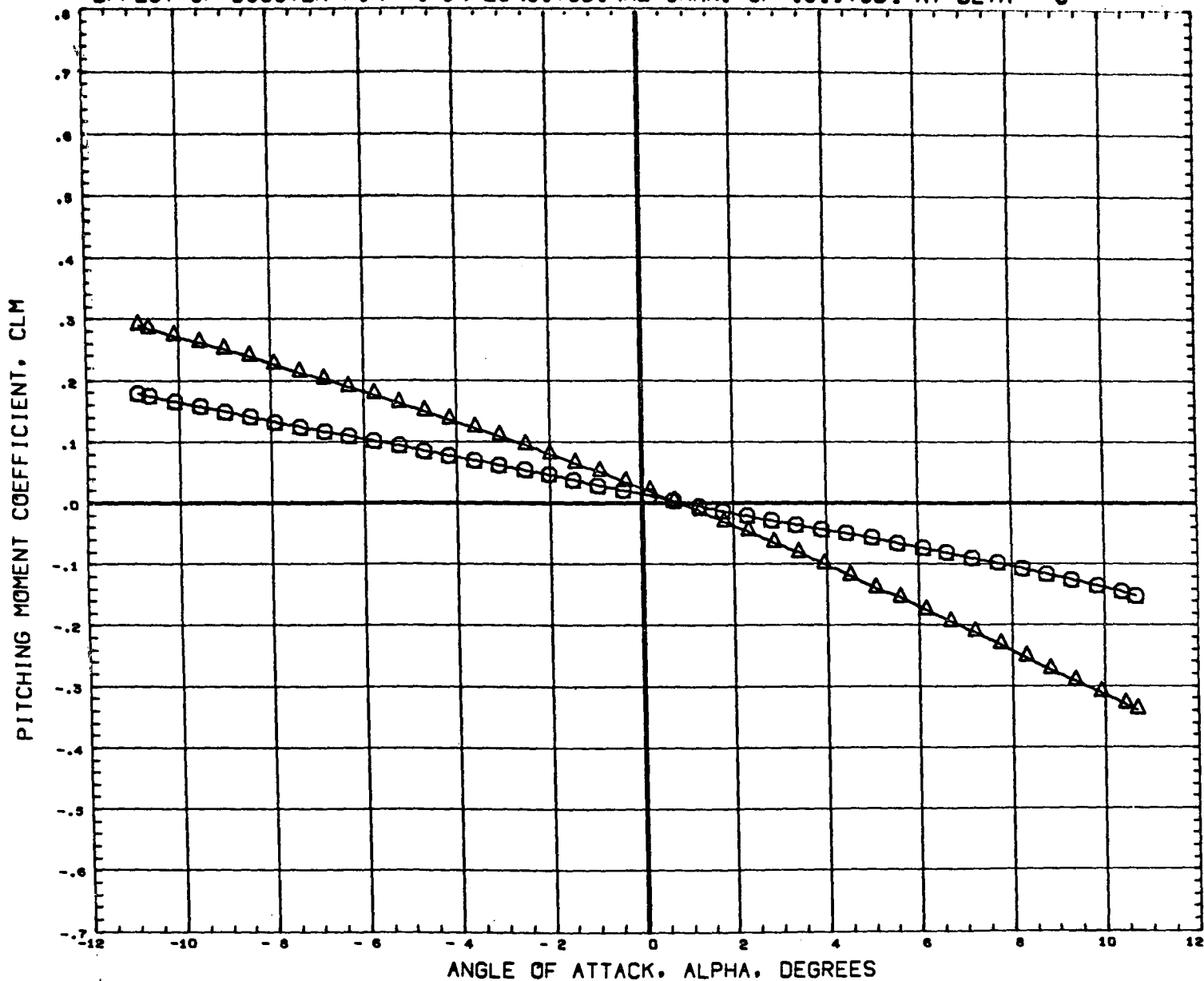


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



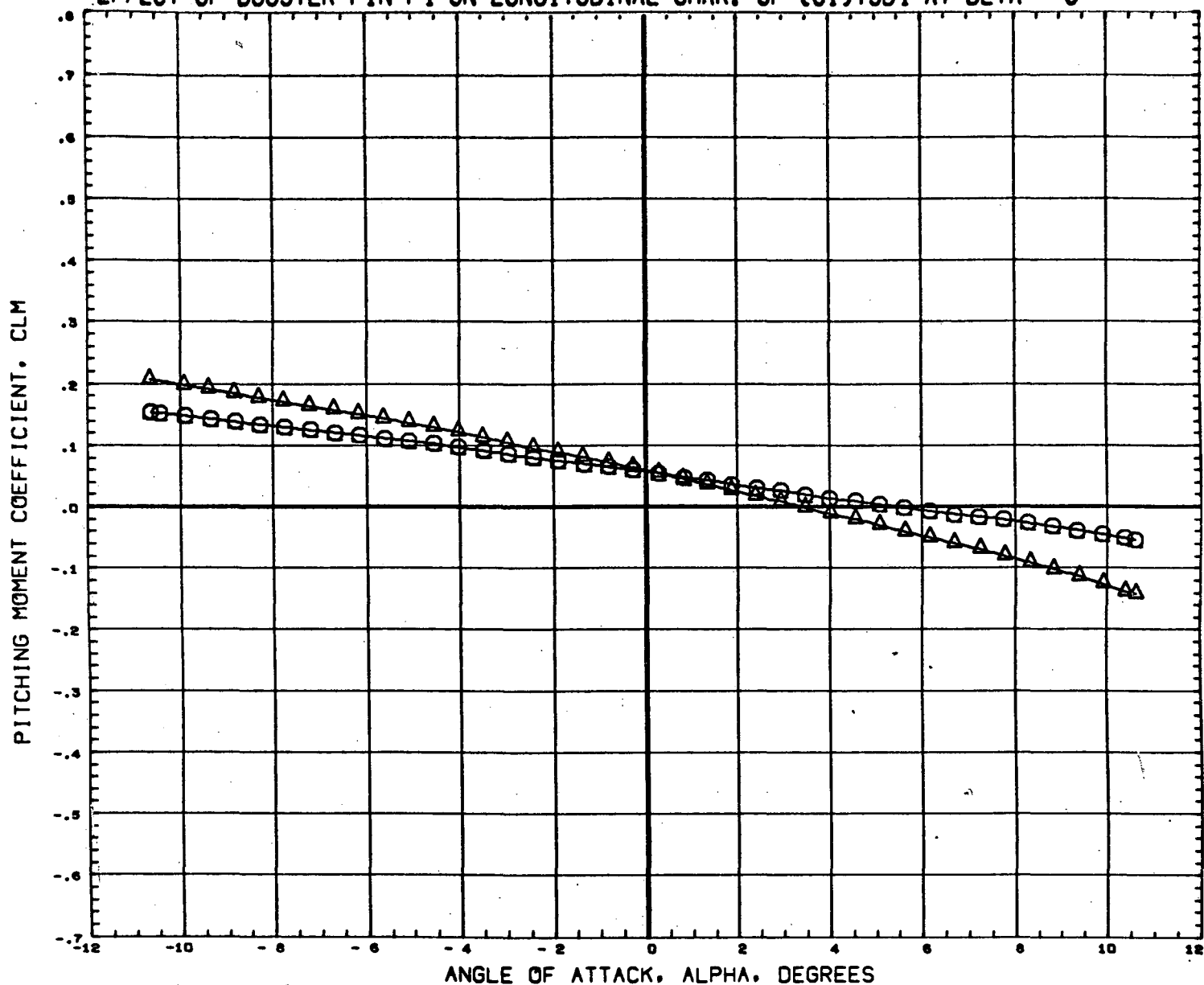
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
6.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.3004 IN.
				BREF 662.0004 IN.
				YMRP 557.0004 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

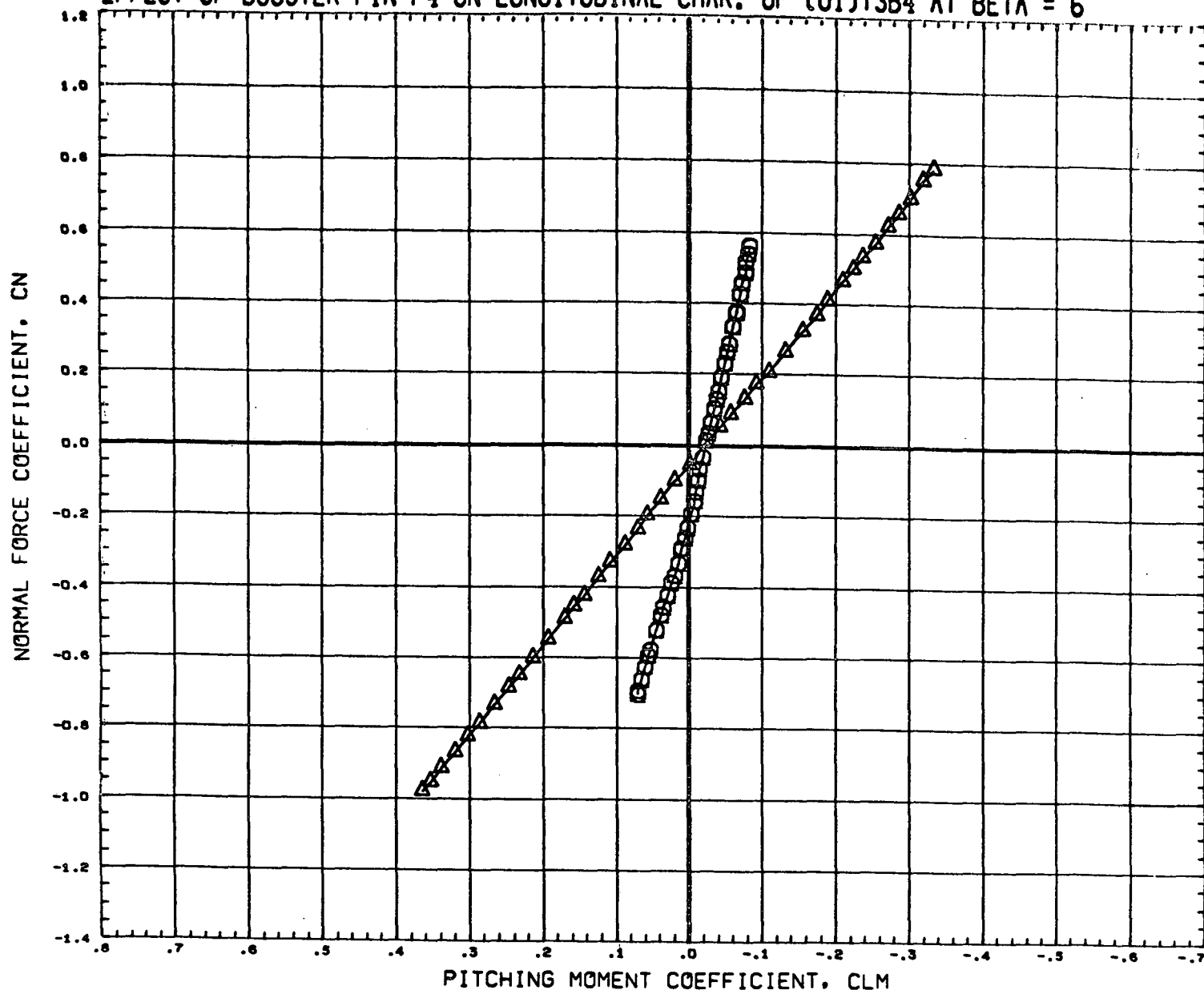


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRF	957.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

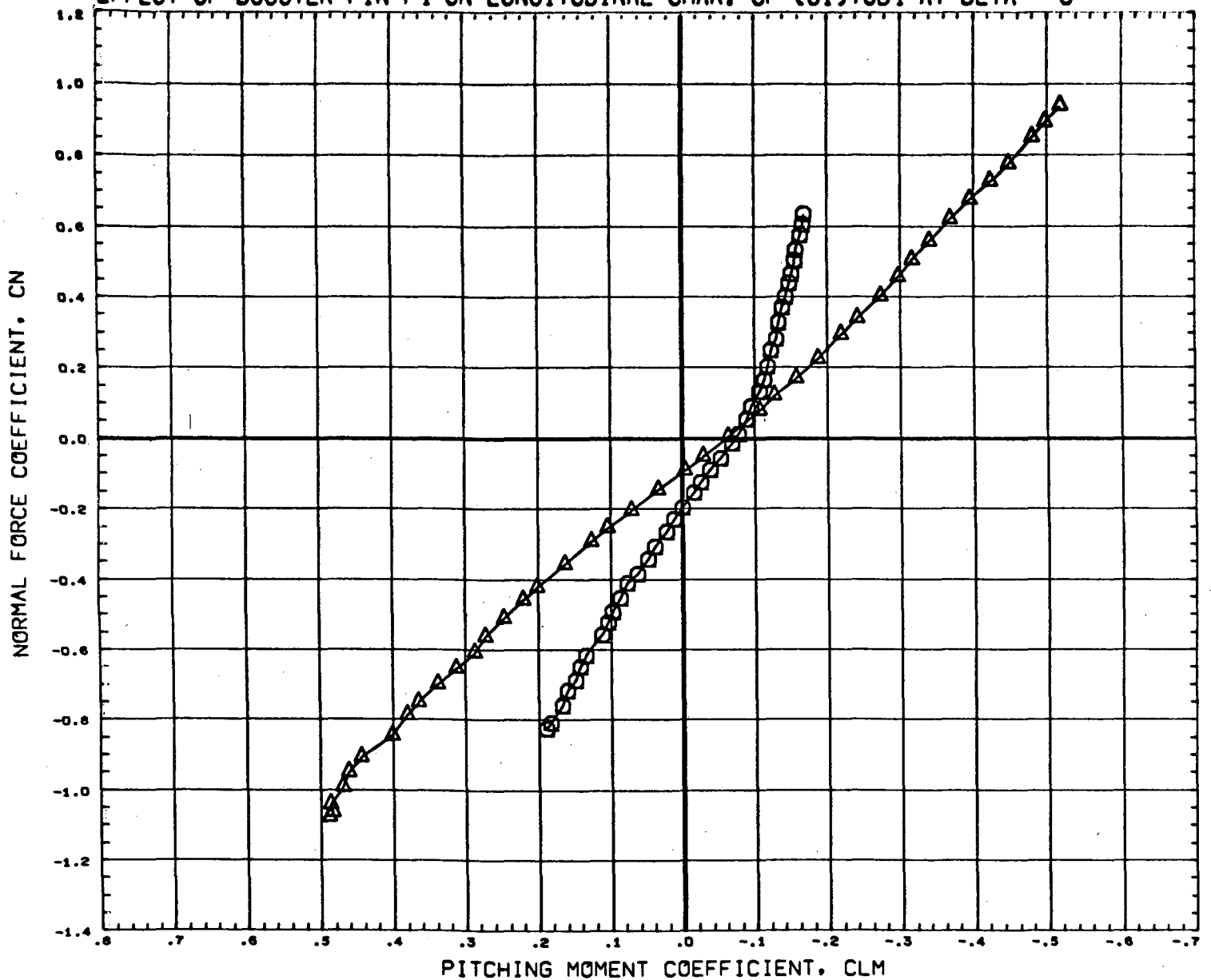


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



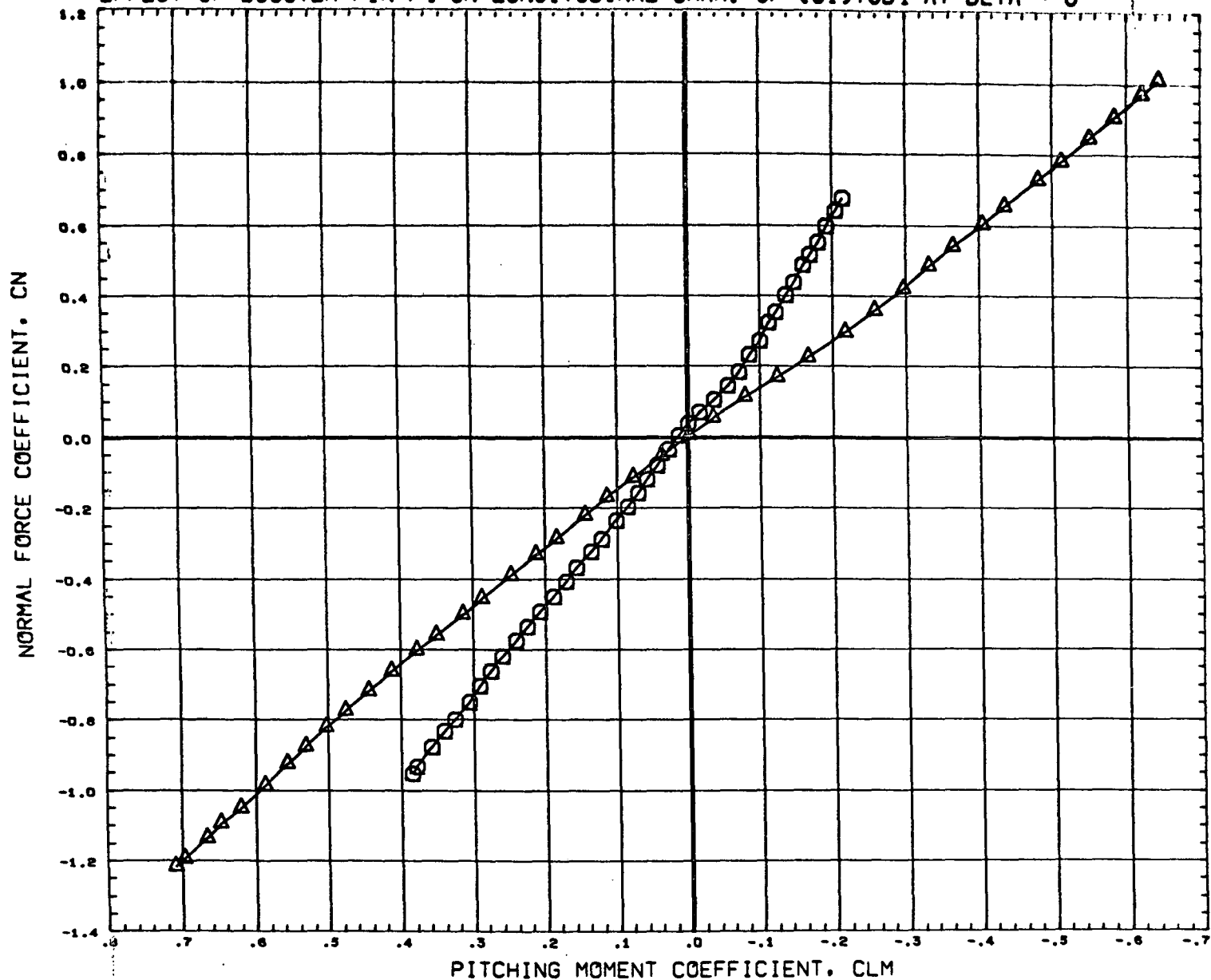
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) (CD7527) NDAC S-222 COMPOSITE (T-CG) 01T3B4
 NDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

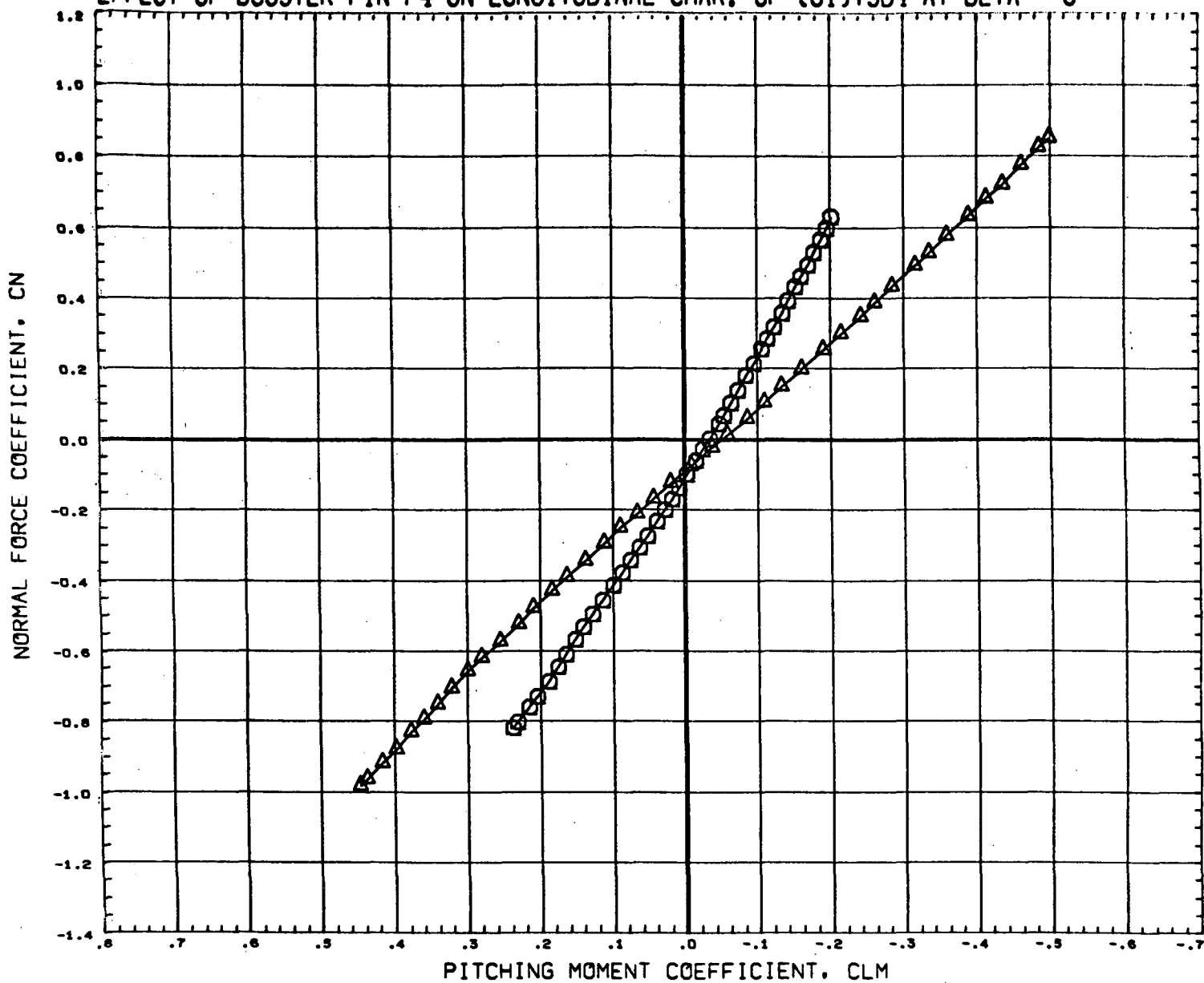


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

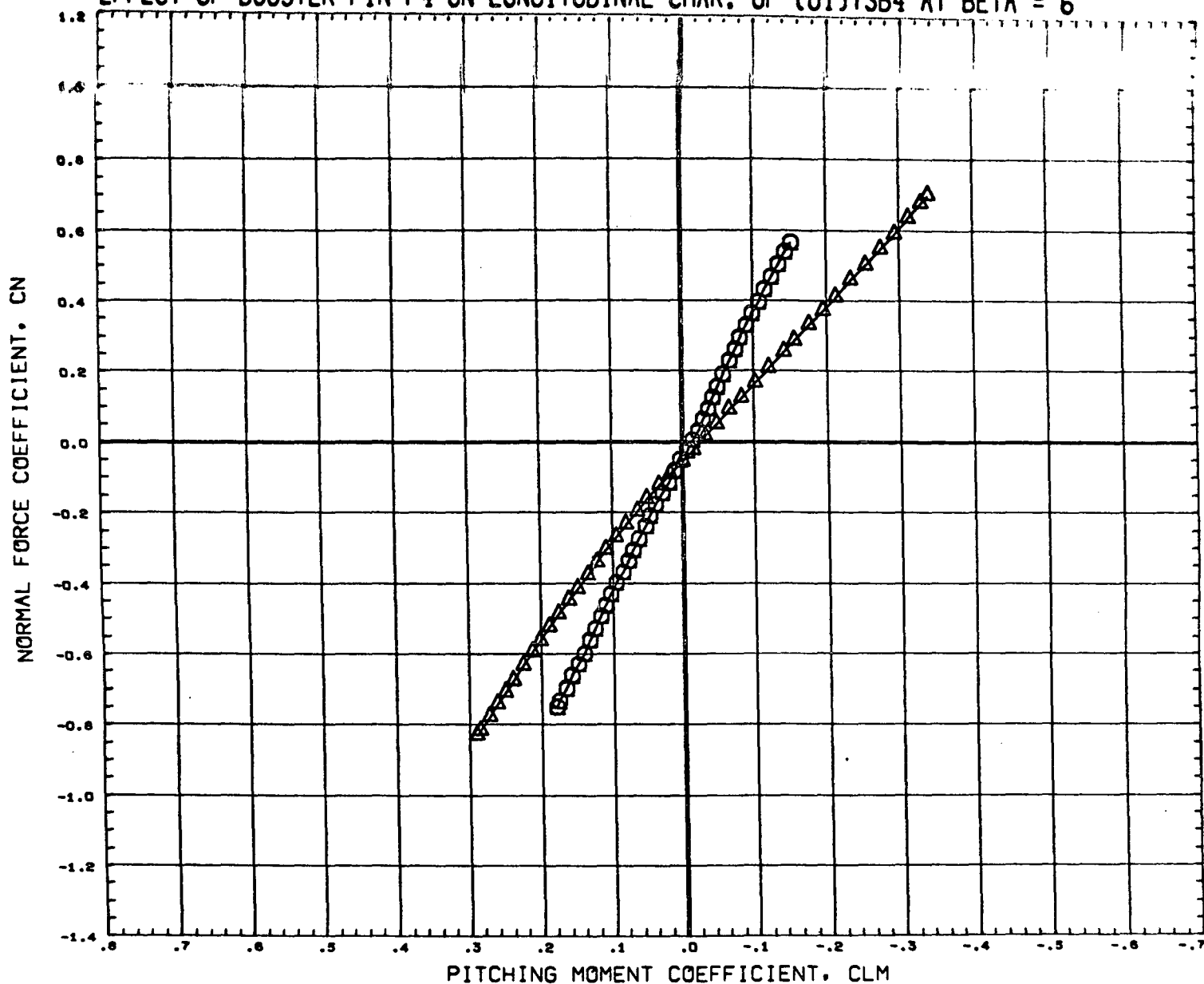


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-C6) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-C6) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) (01)T3B4
 (CD7527) (01)T3B4F4

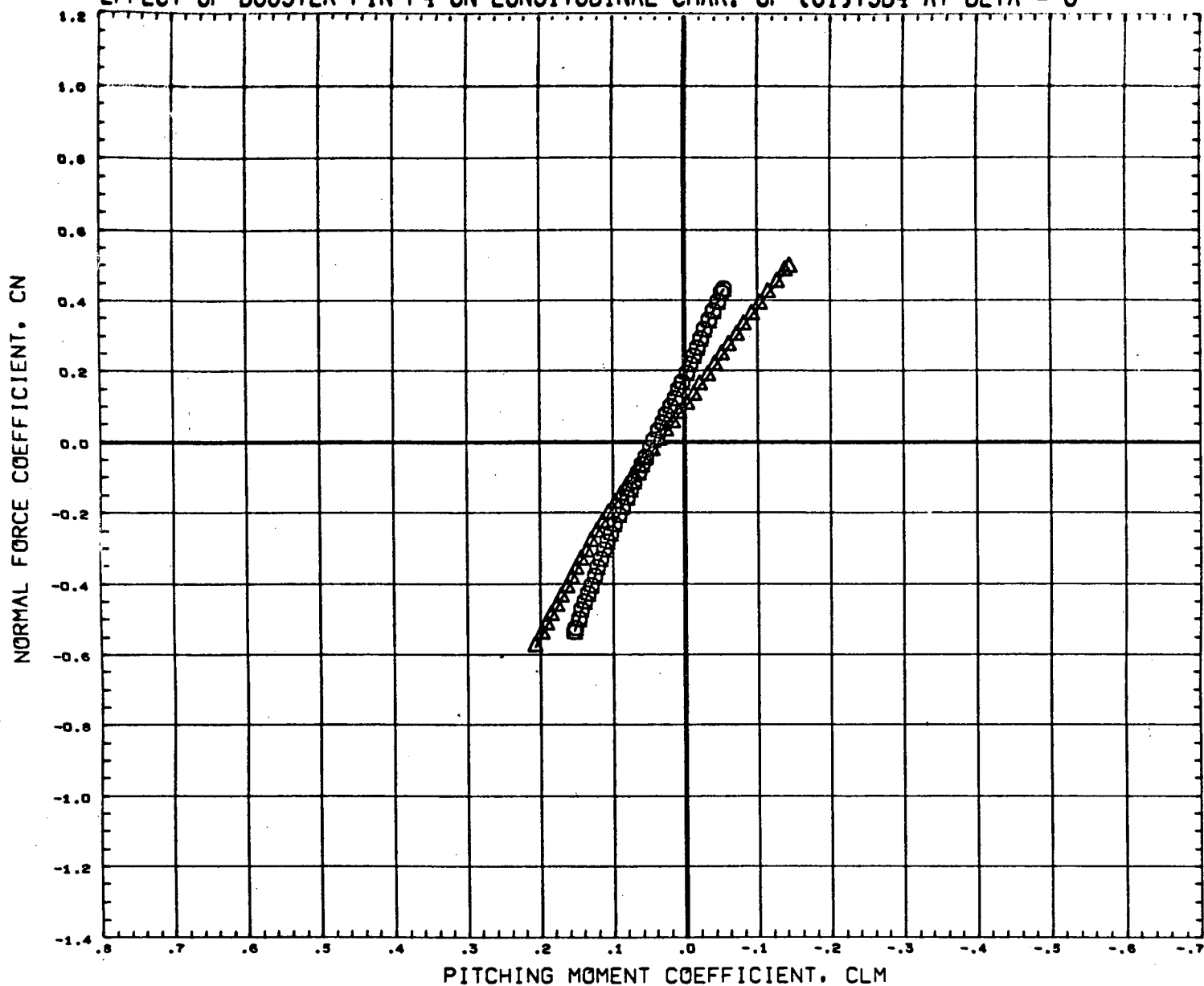
BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



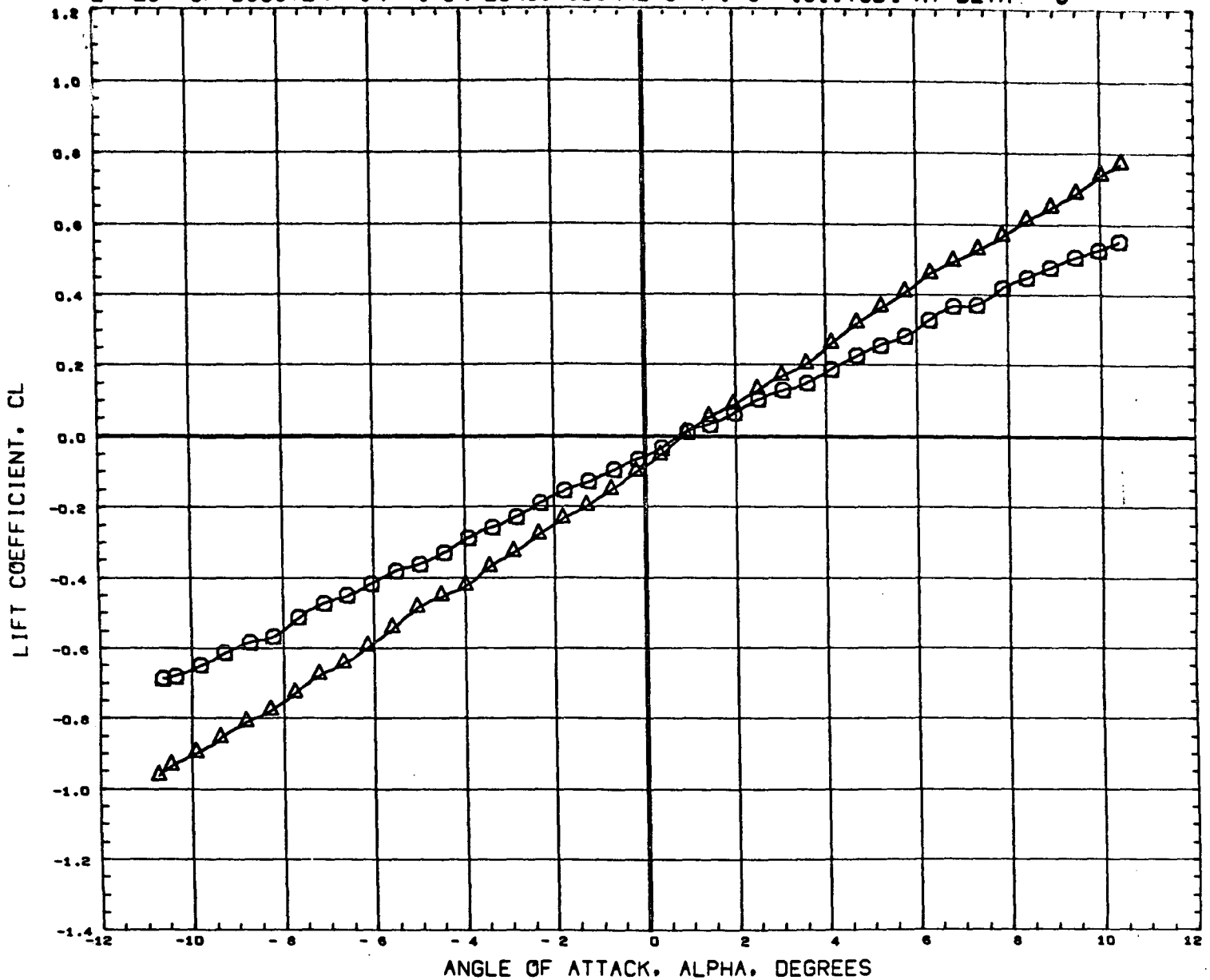
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



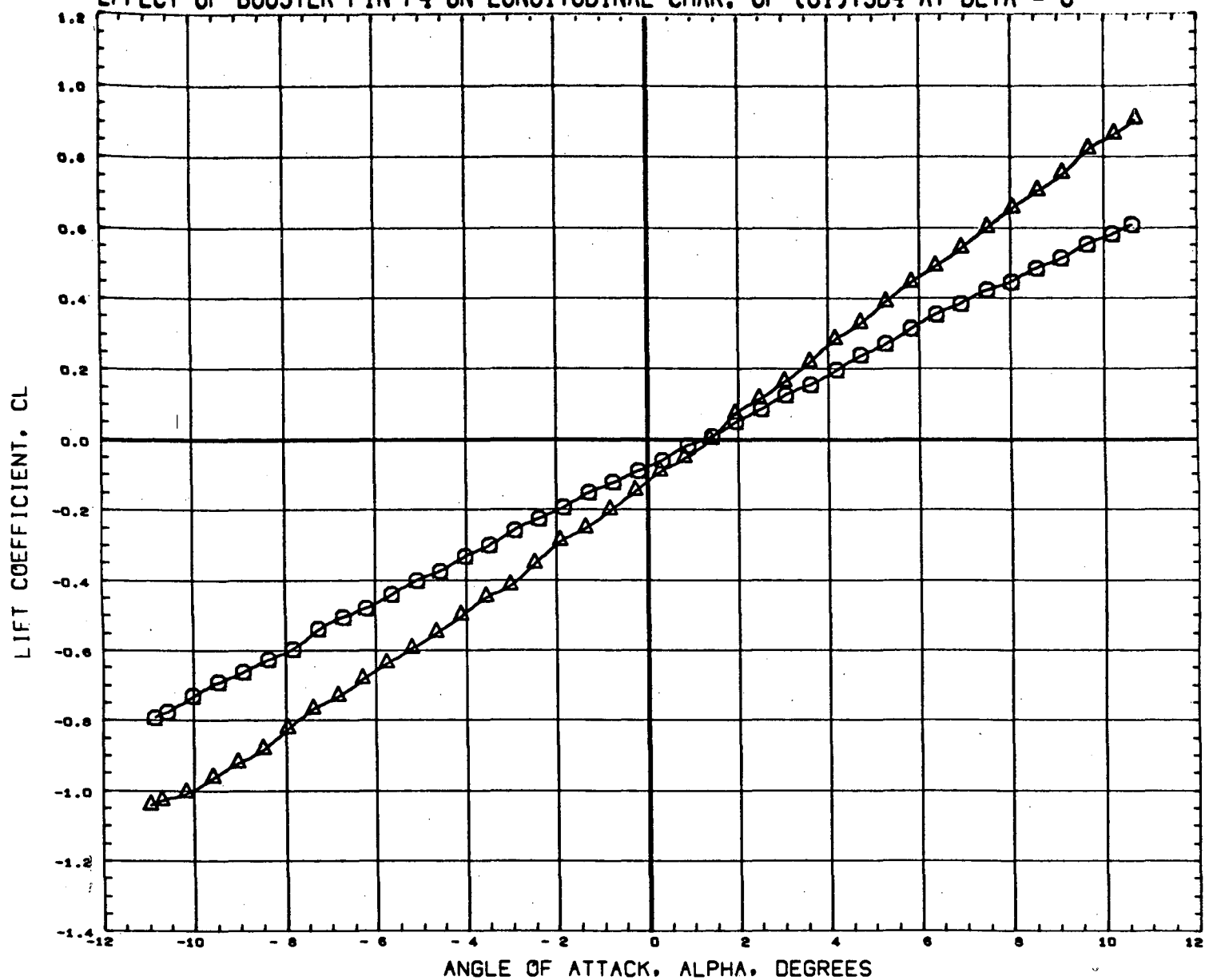
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7522) ○ MDAC S-222 COMPOSITE (T-CG) O1T3B4
(CD7527) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

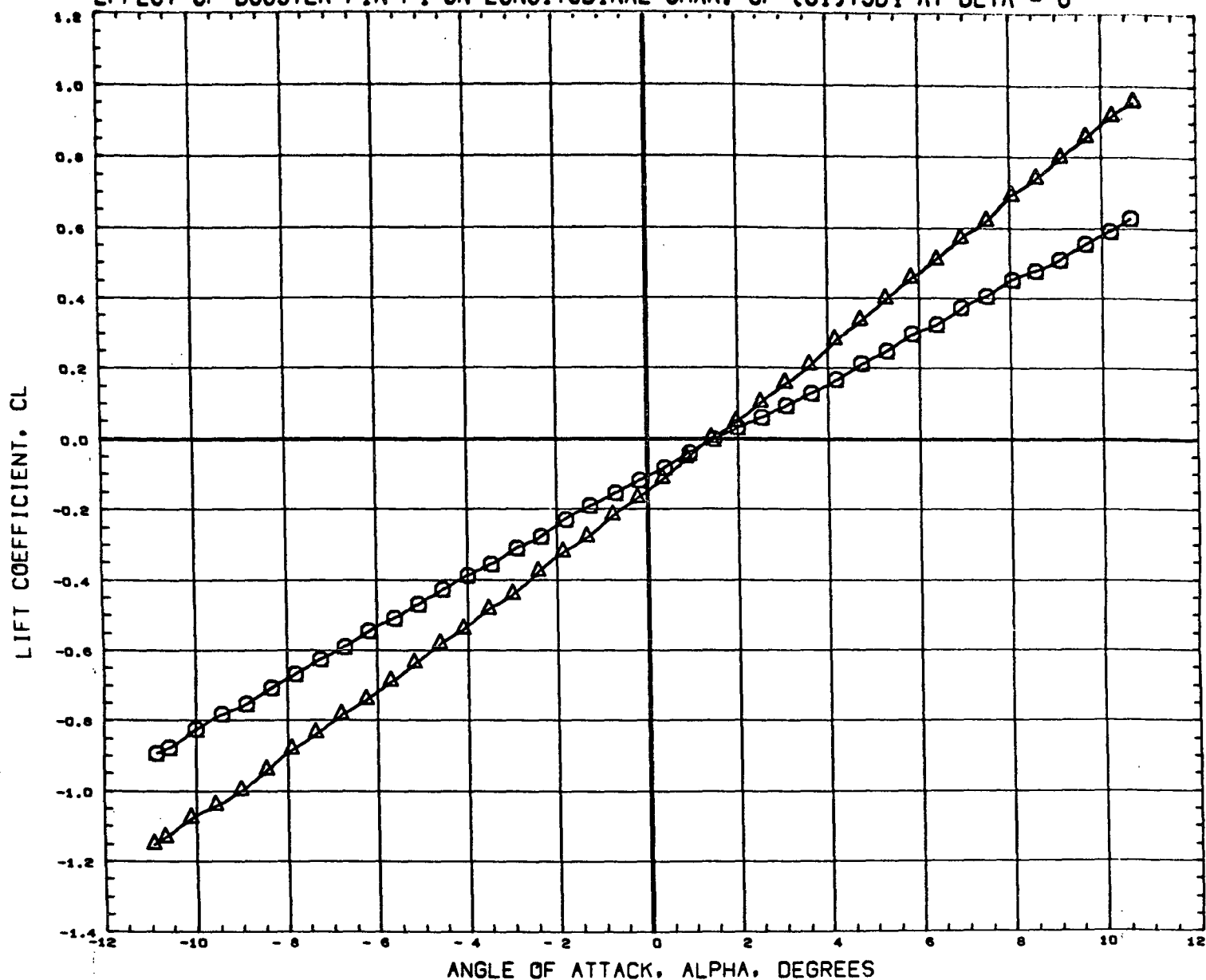


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	662.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



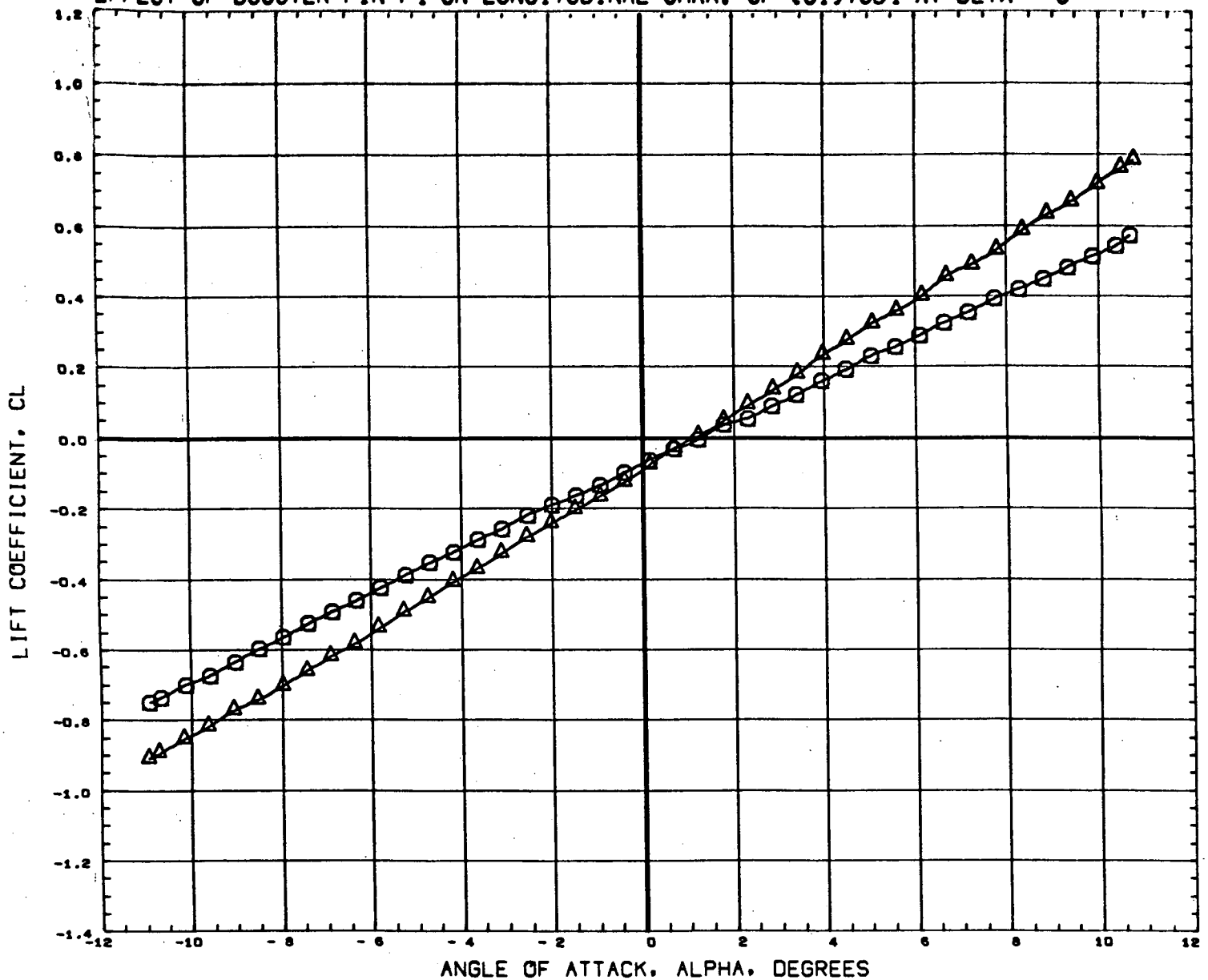
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (C07522) ○ MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (C07527) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



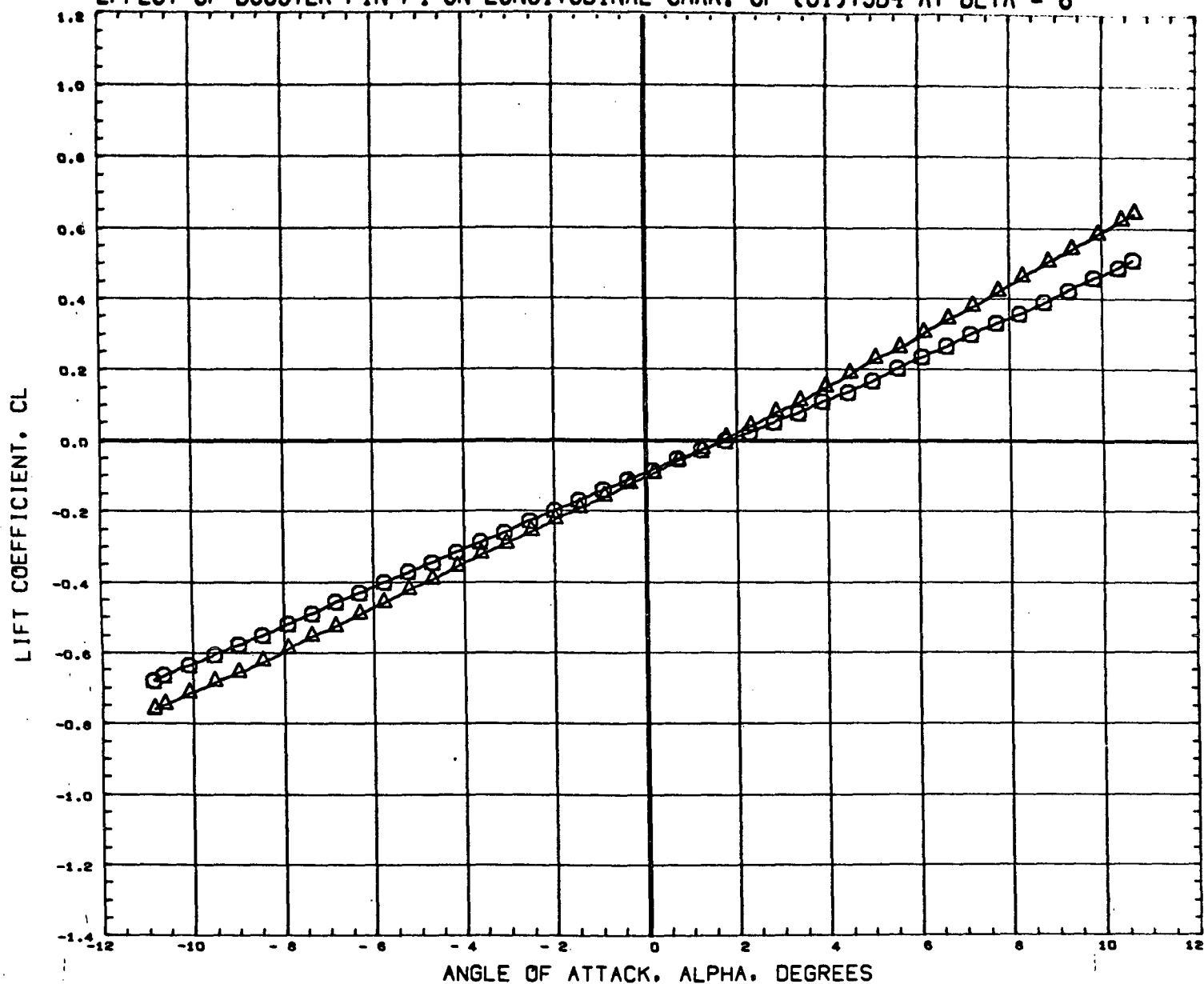
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) ○ MDAC S-222 COMPOSITE (T-C6) O1T3B4
 (CD7527) △ MDAC S-222 COMPOSITE (T-C6) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



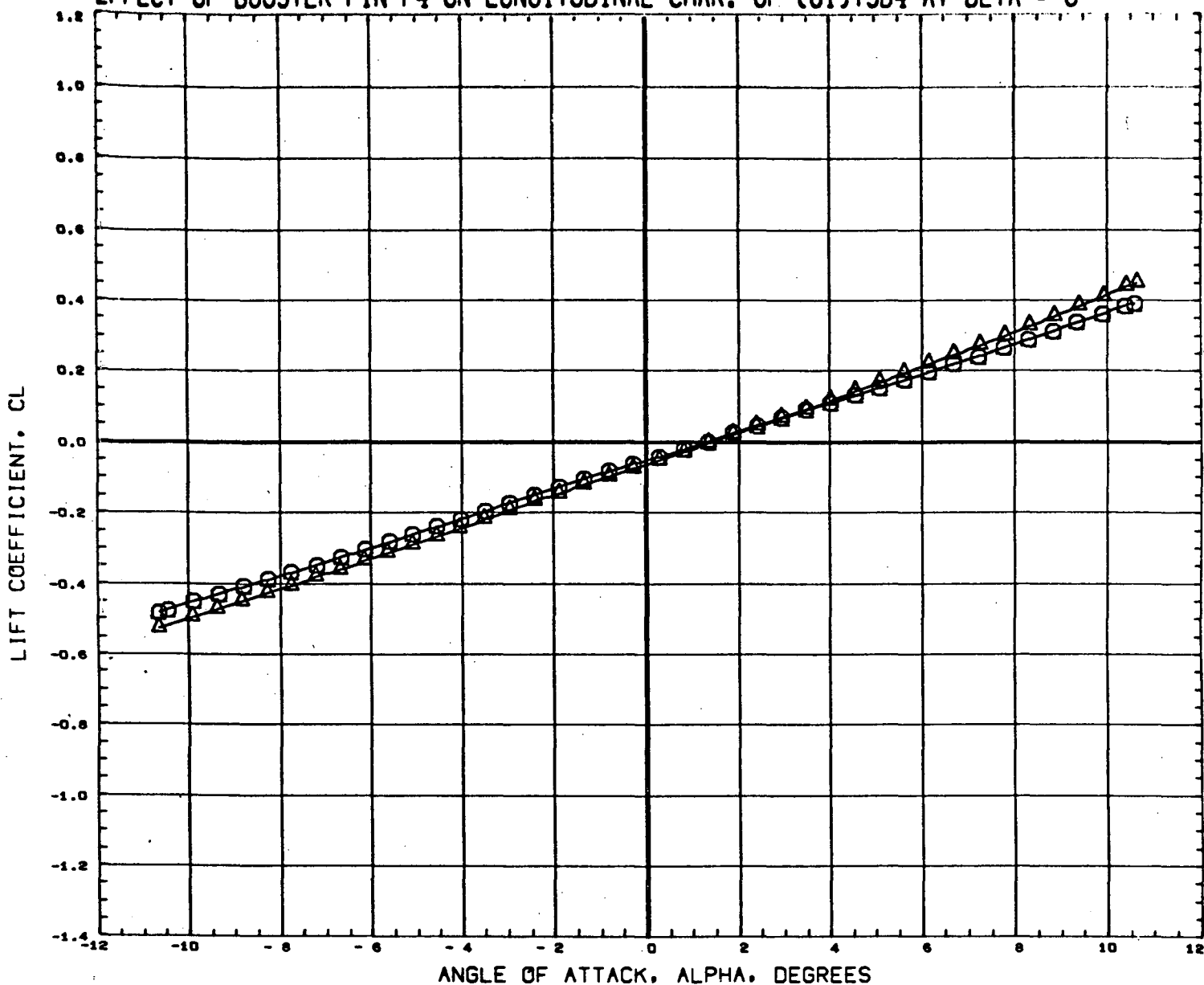
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(CD7522) ○ MDAC S-222 COMPOSITE (T-CG) O1T3B4
(CD7527) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ. FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	982.0004	IN.
				XMRP	537.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7522) ○	NDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527) △	NDAC S-222 COMPOSITE (T-CG) 01T3B4F4

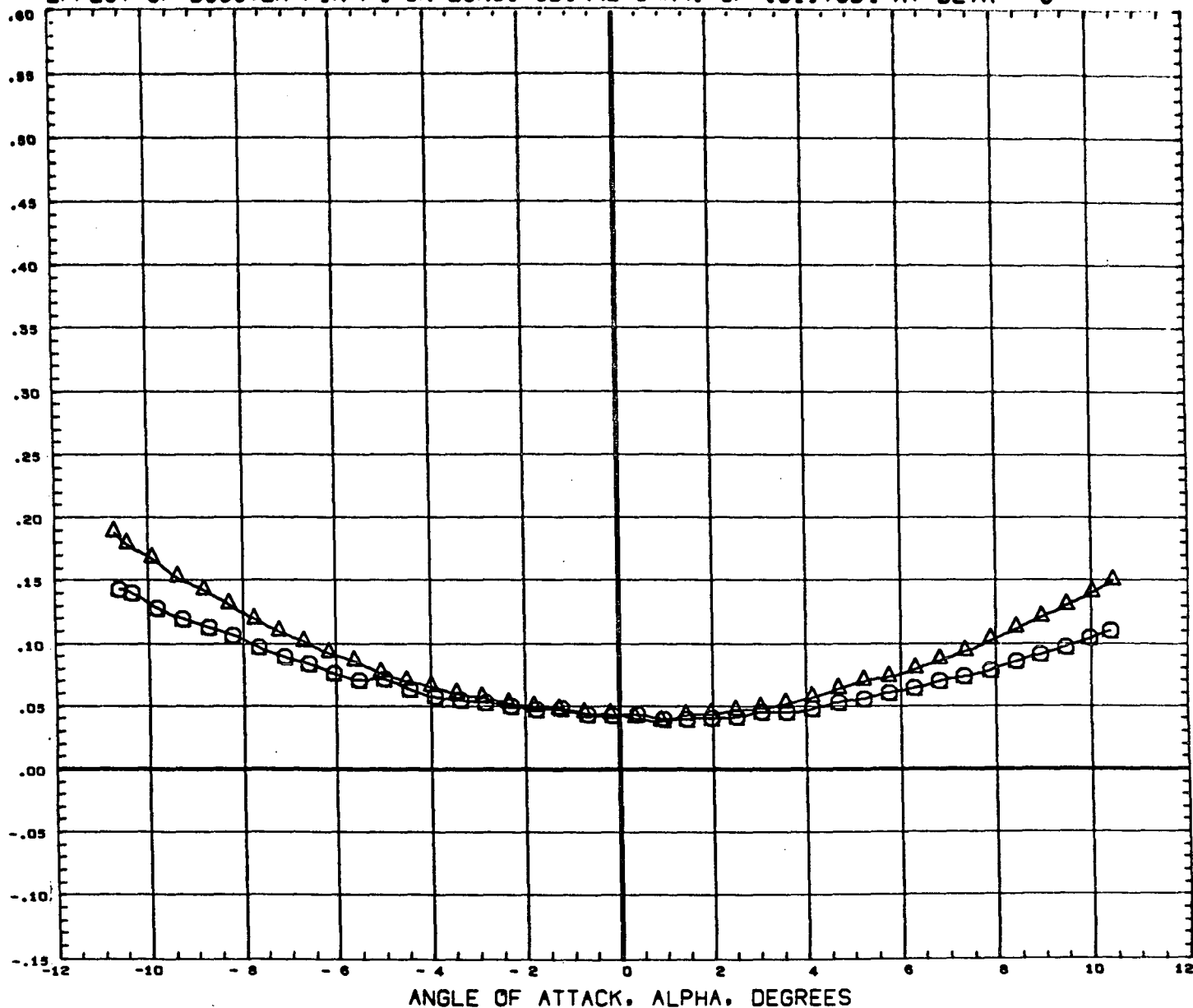
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	937.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH 4.47

PAGE 587

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7527) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

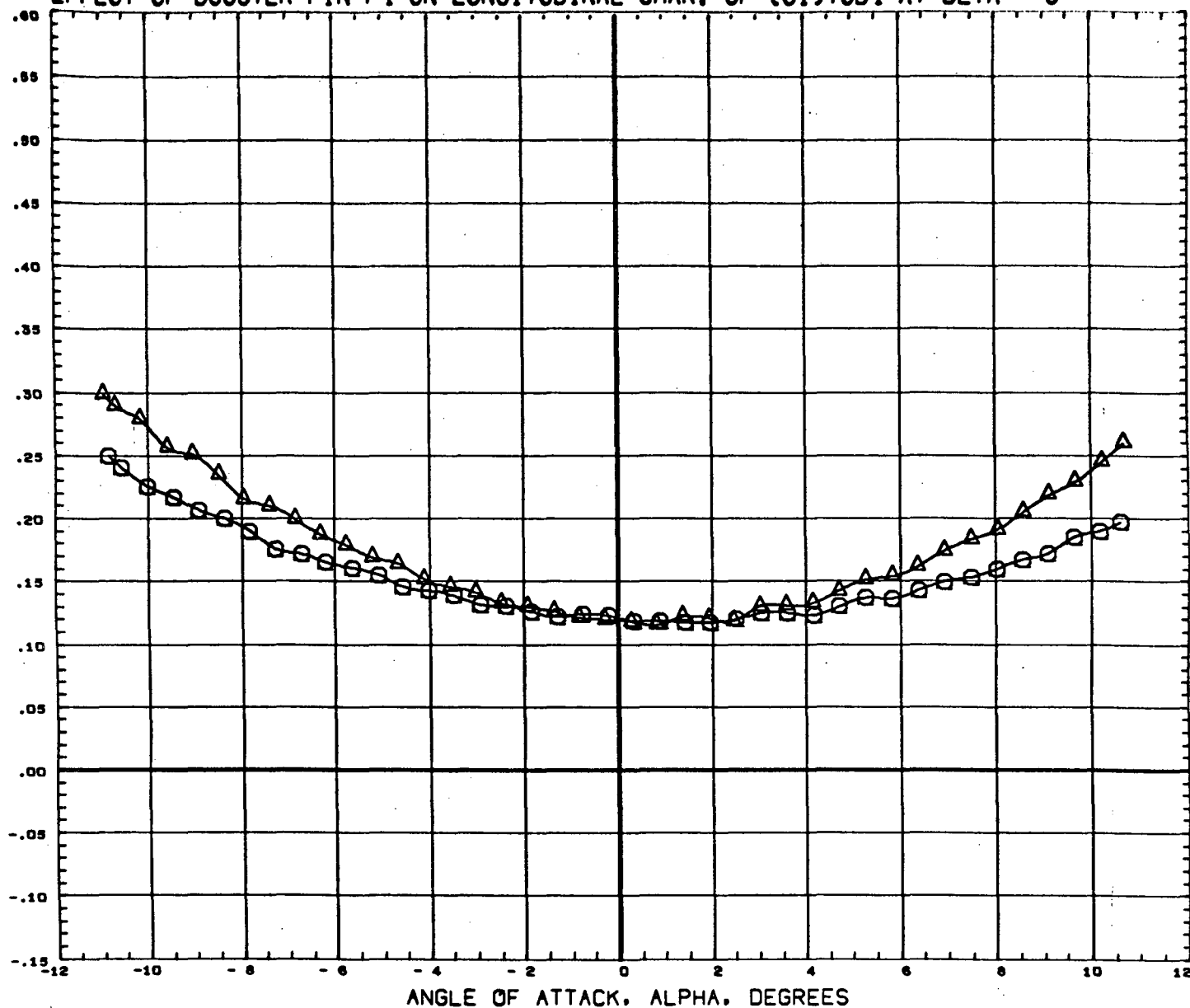
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH .58

PAGE 588

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



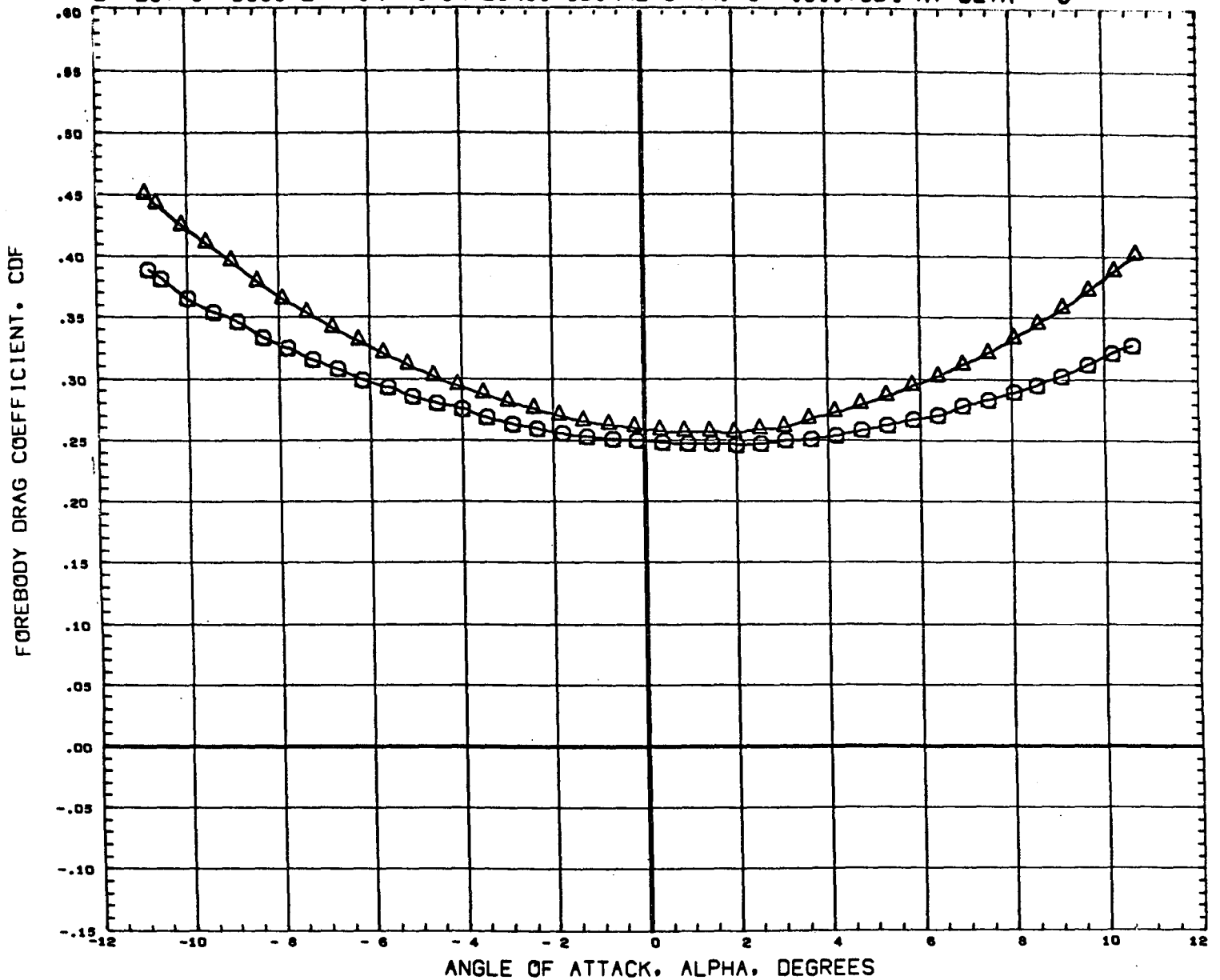
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) O MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) Δ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.3004 IN.
				BREF	882.0004 IN.
				XMRP	337.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 589

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) ○ MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

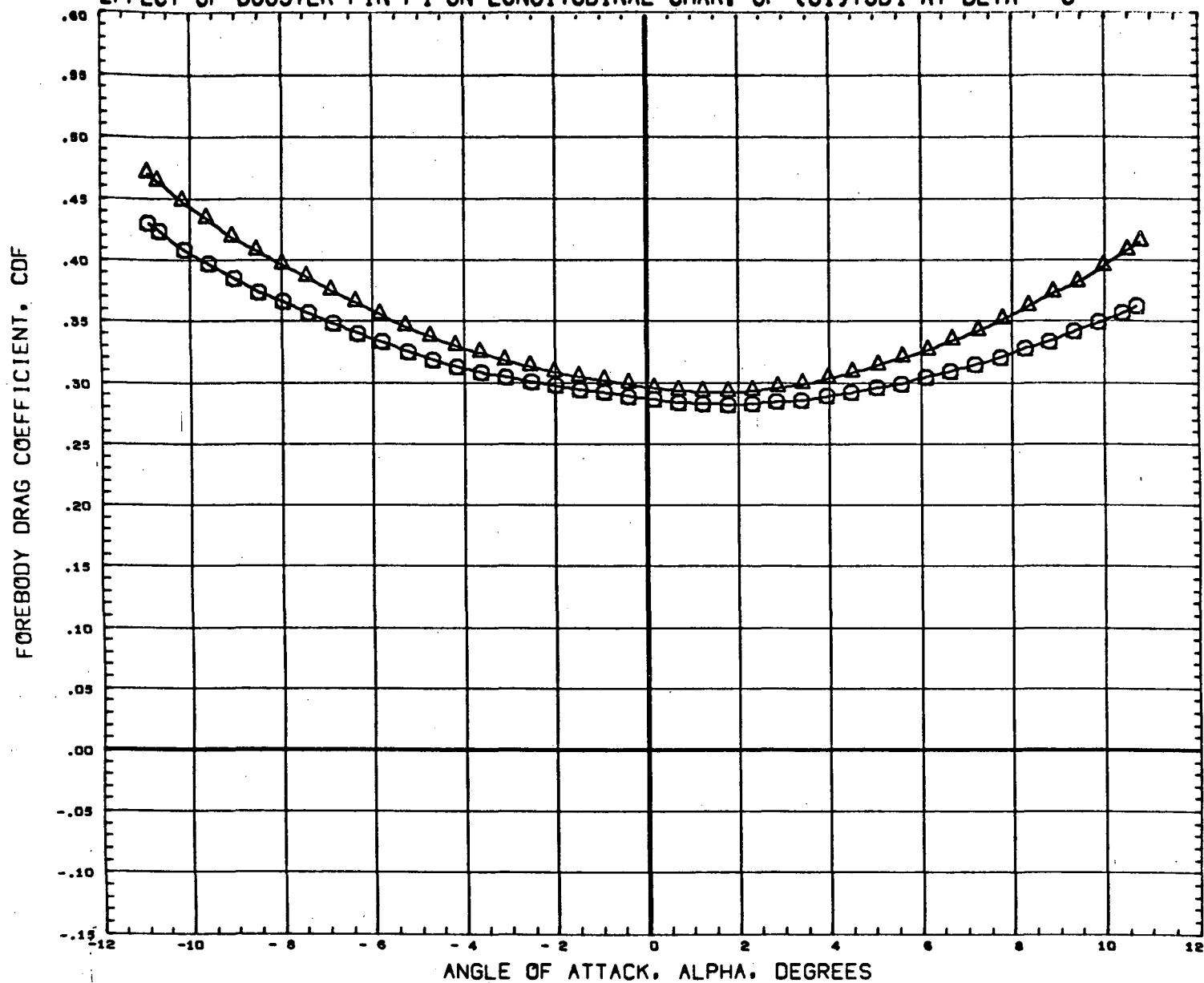
BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 862.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.08

PAGE 590

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

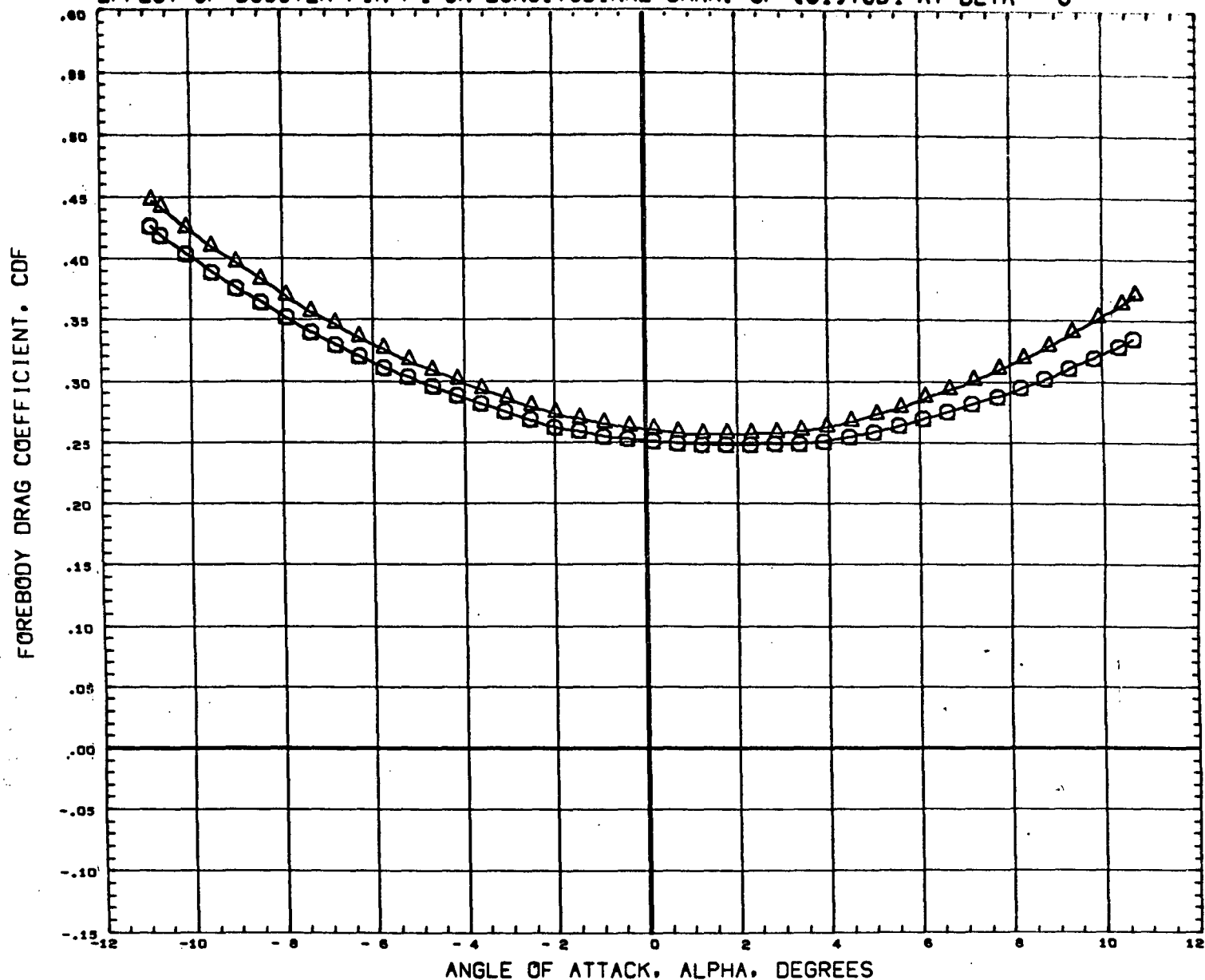


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

PAGE 591

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



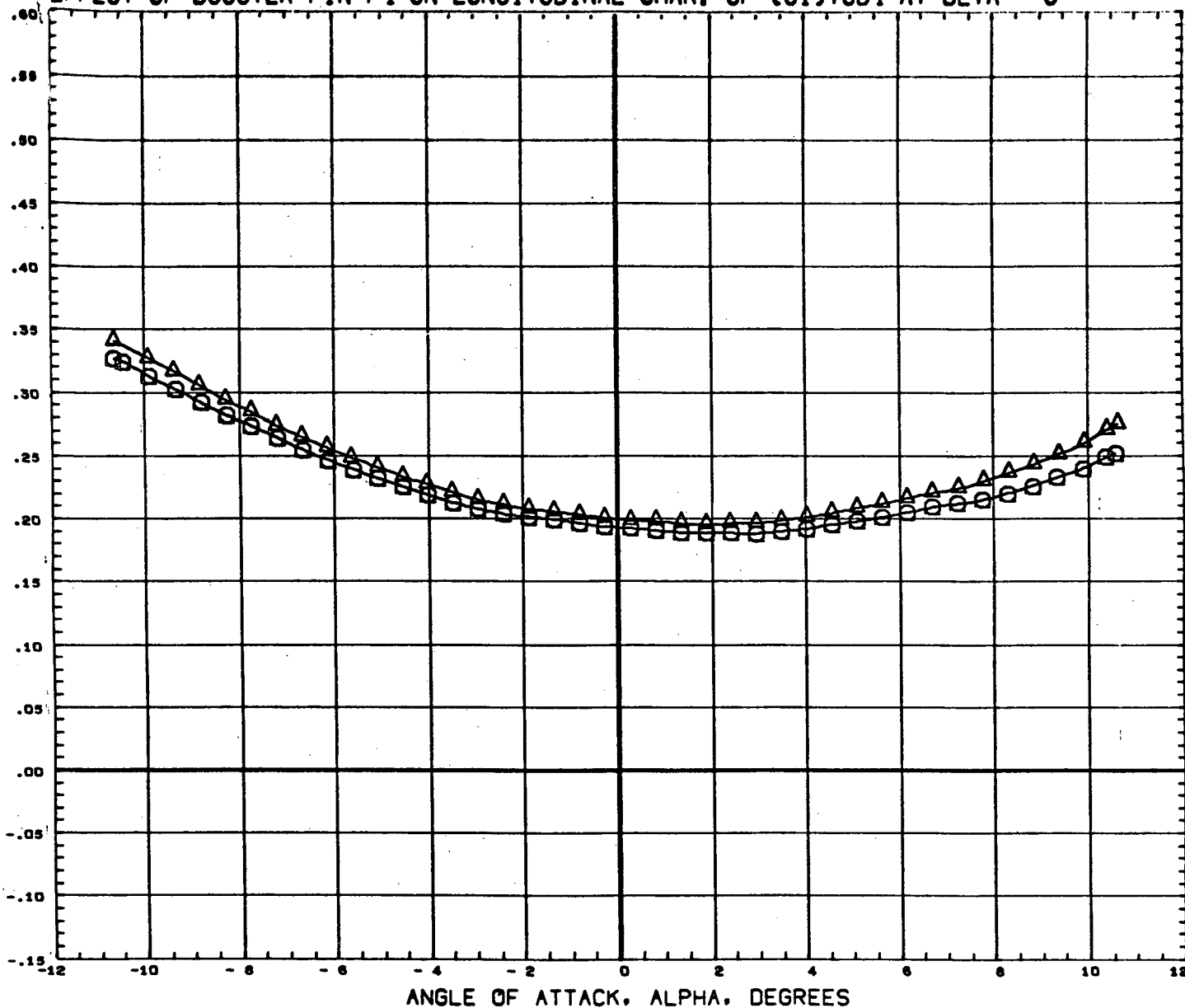
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7522) ○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

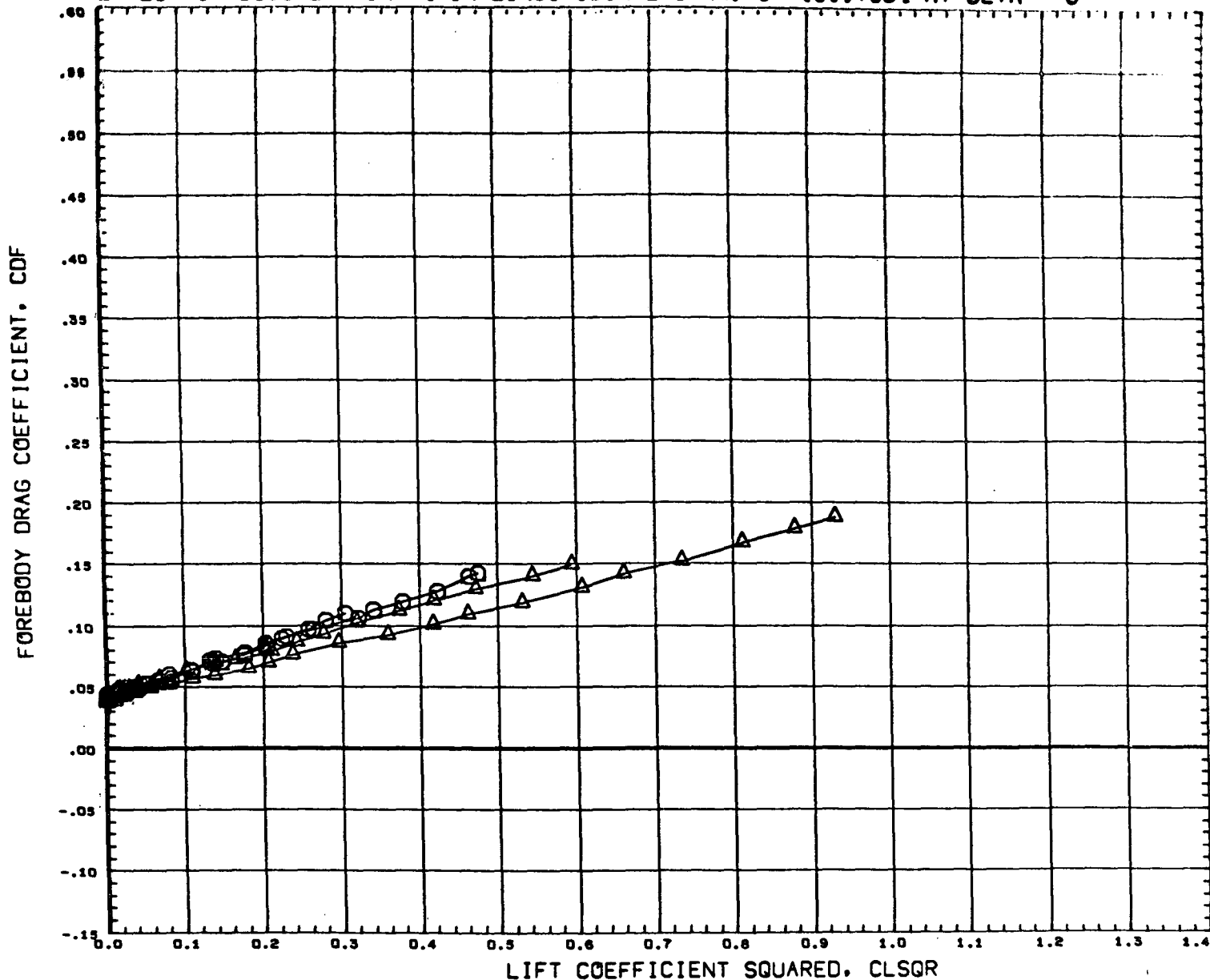
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRP	557.0004	IN.
				YMRP	0.0000	IN.
				ZMRP	200.0004	IN.
				SCALE	0.0060	

MACH

4.47

PAGE 593

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



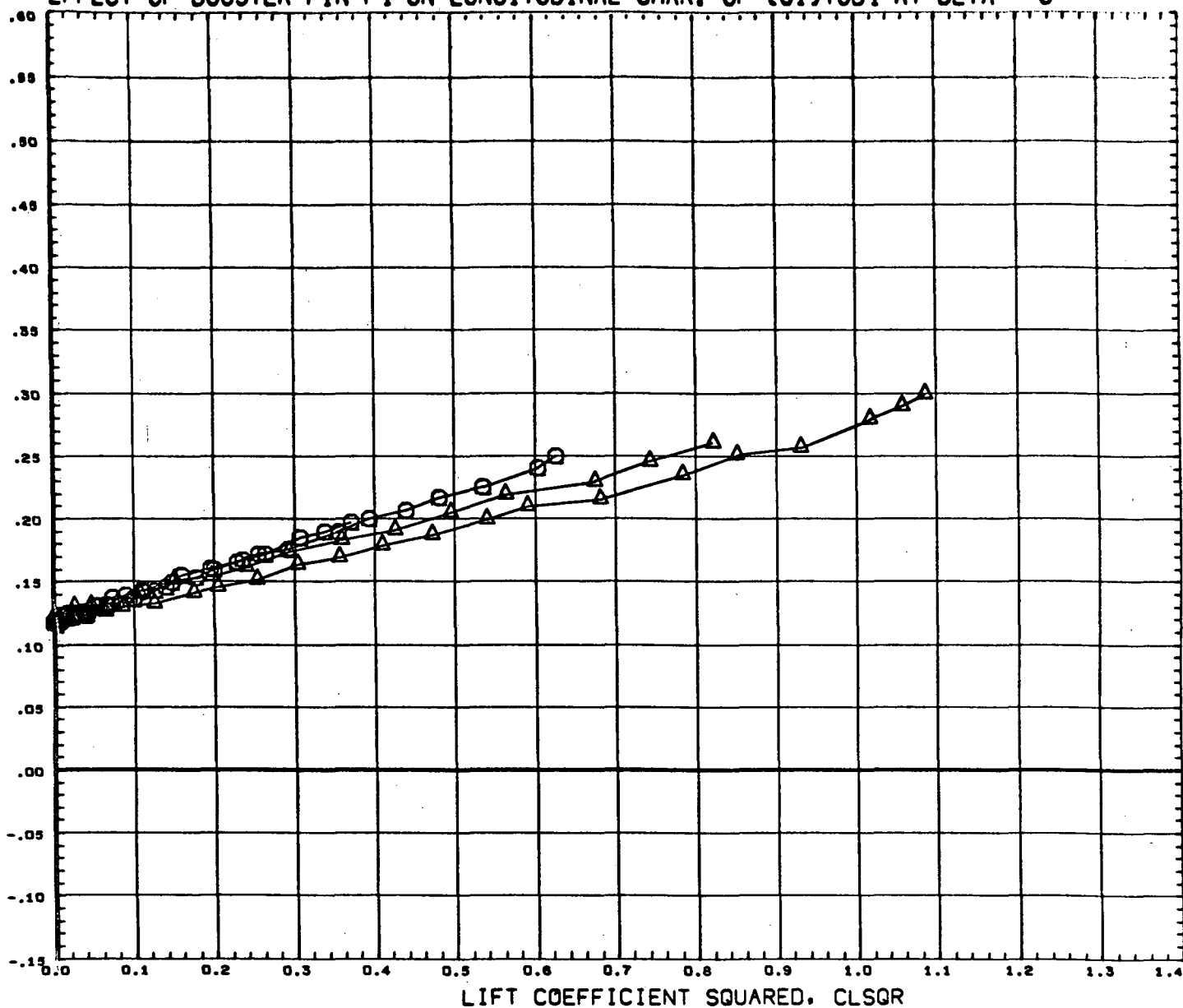
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



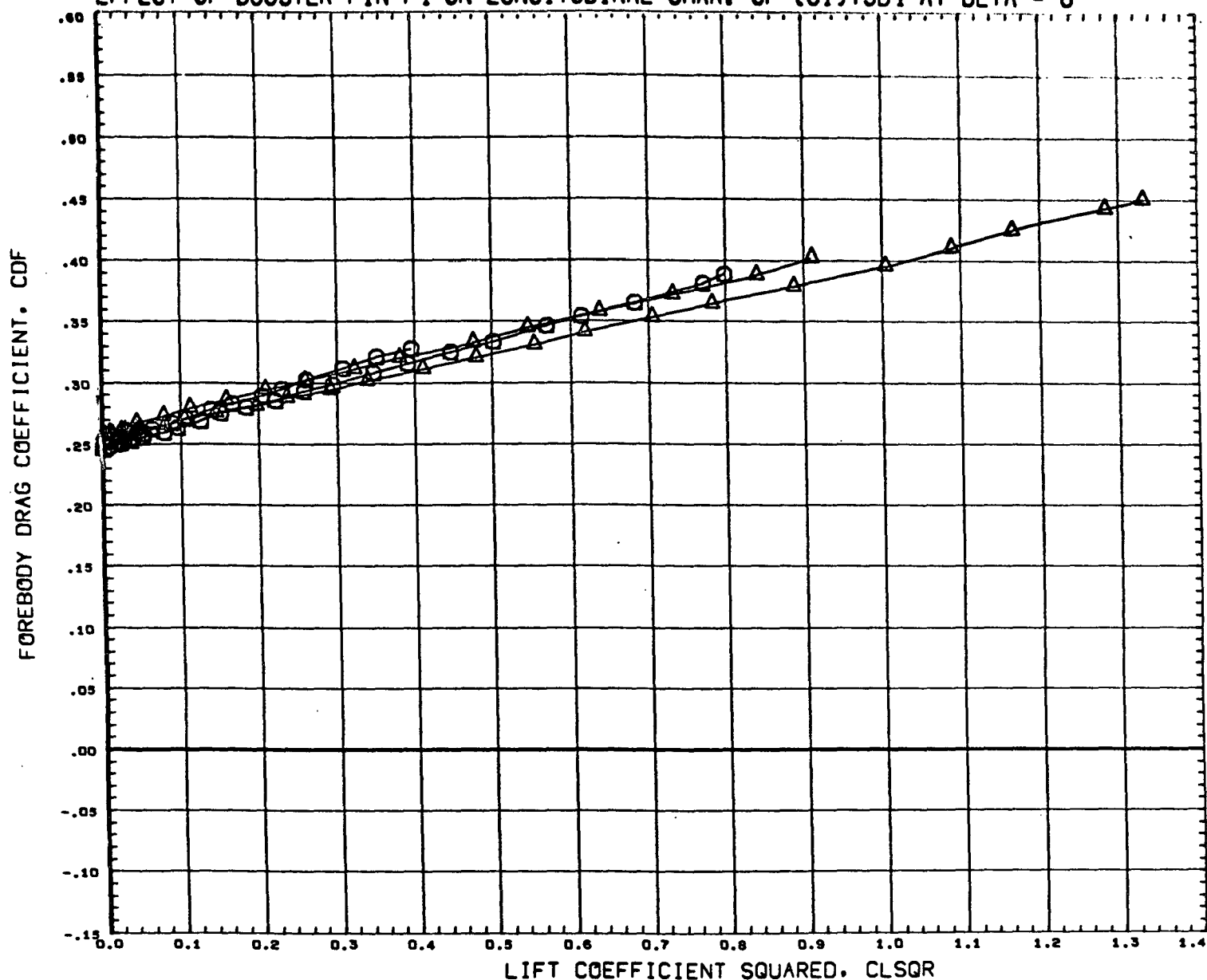
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7522) ○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527) △	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004	IN.
				BREF	882.0004	IN.
				XMRF	557.0004	IN.
				YMRF	0.0000	IN.
				ZMRF	200.0004	IN.
				SCALE	0.0060	

MACH .89

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7527) MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

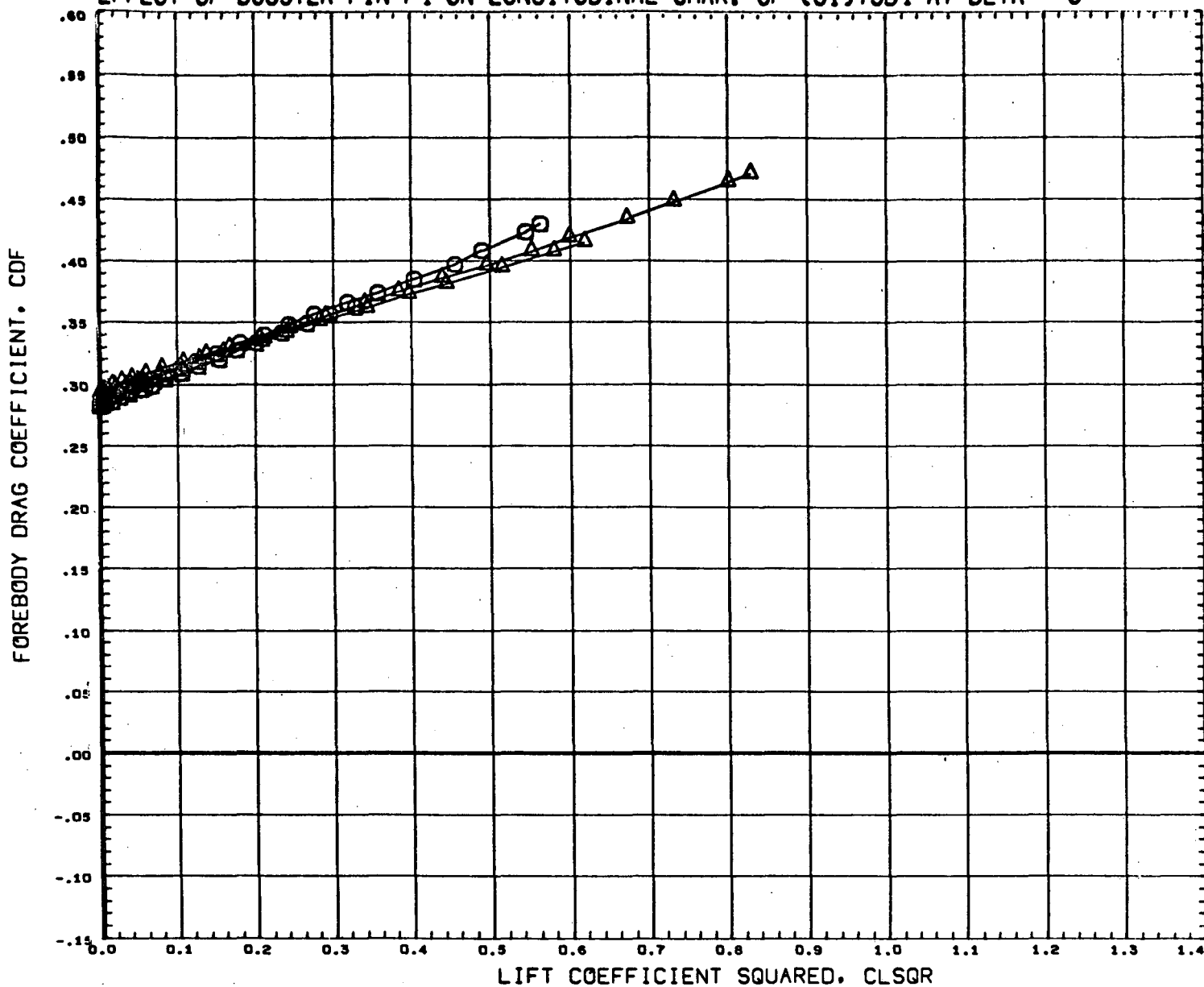
BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.08

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CD7522)	○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527)	△	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

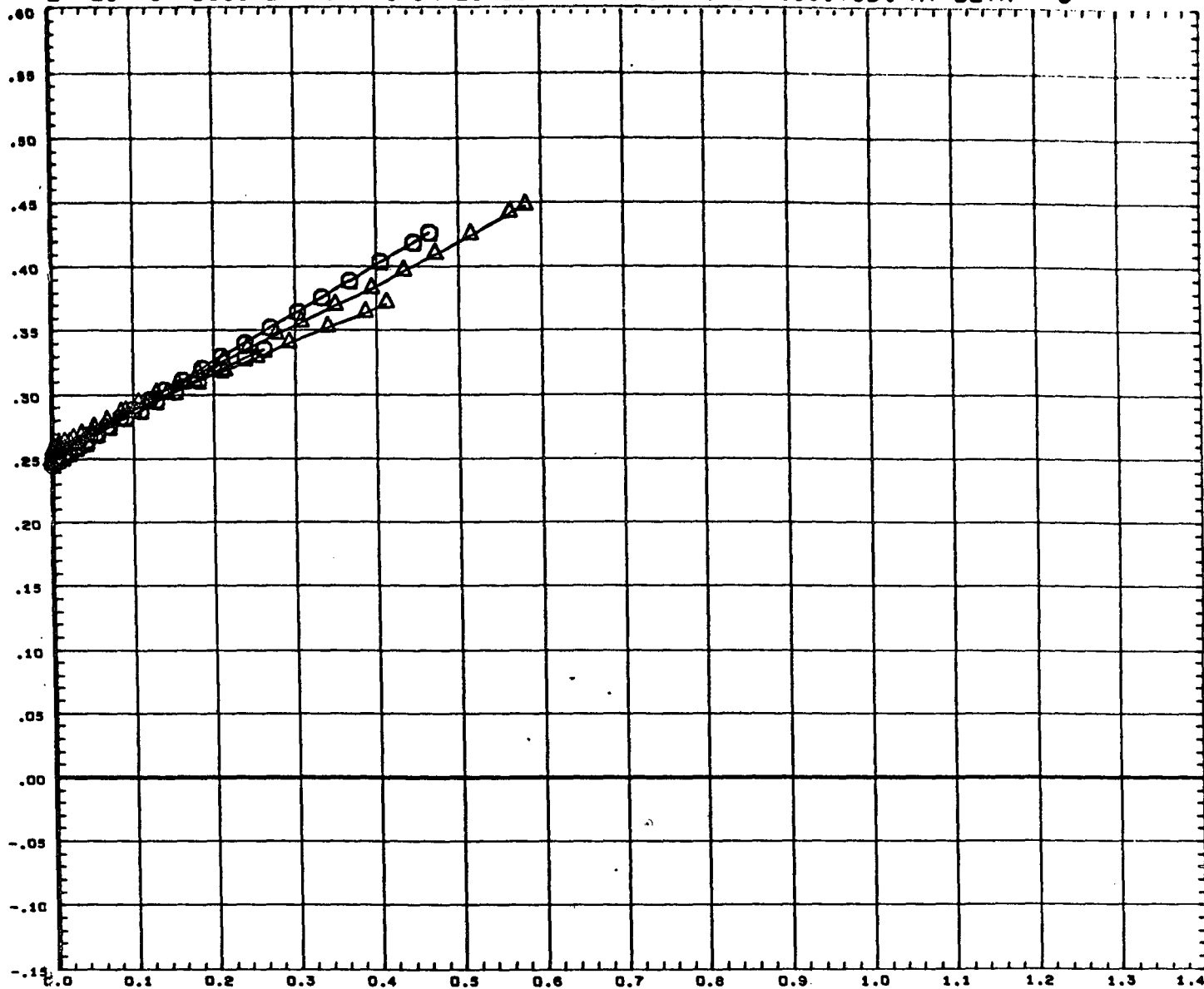
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQ

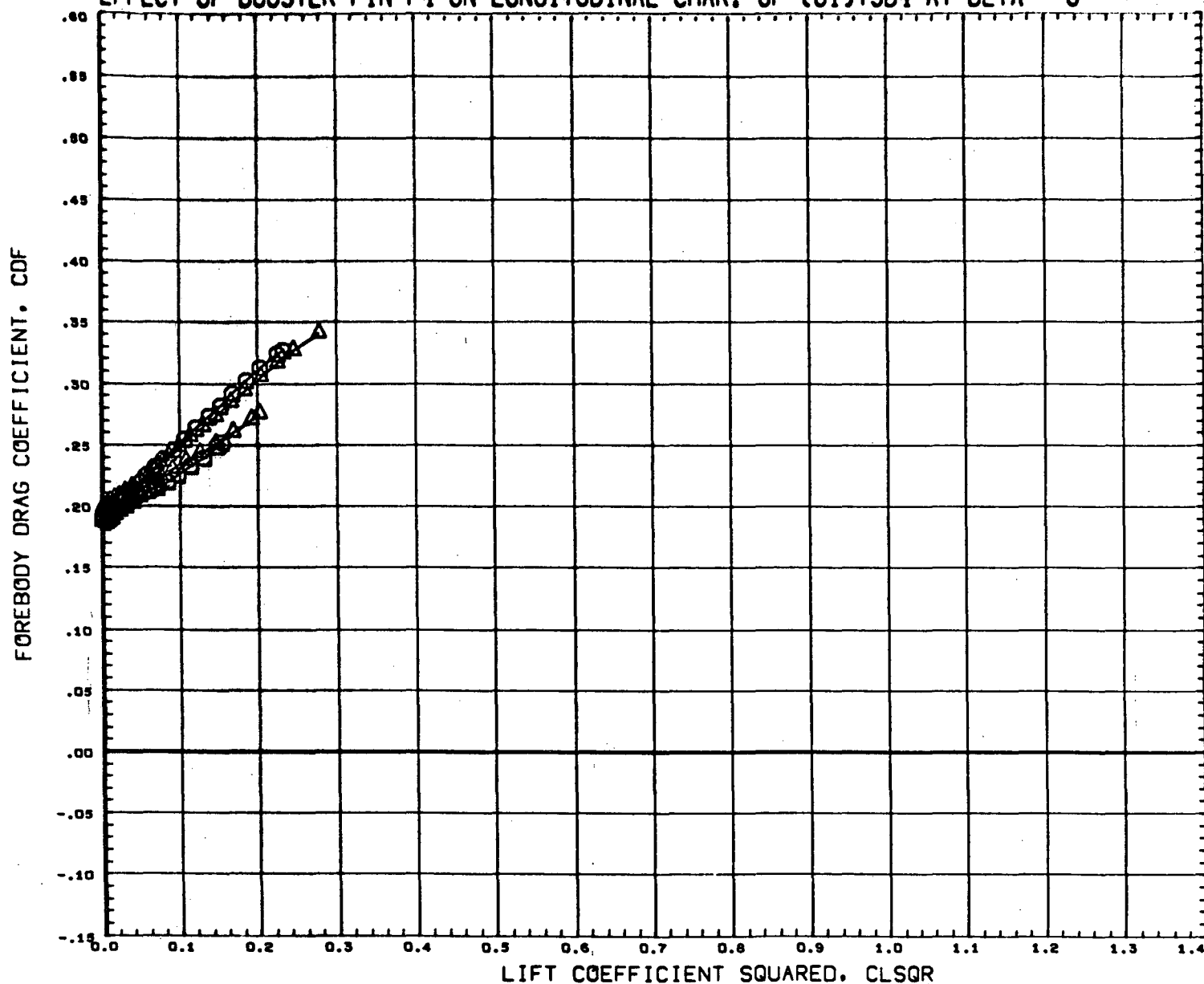
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CD7522)	○	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527)	△	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

PAGE 598

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

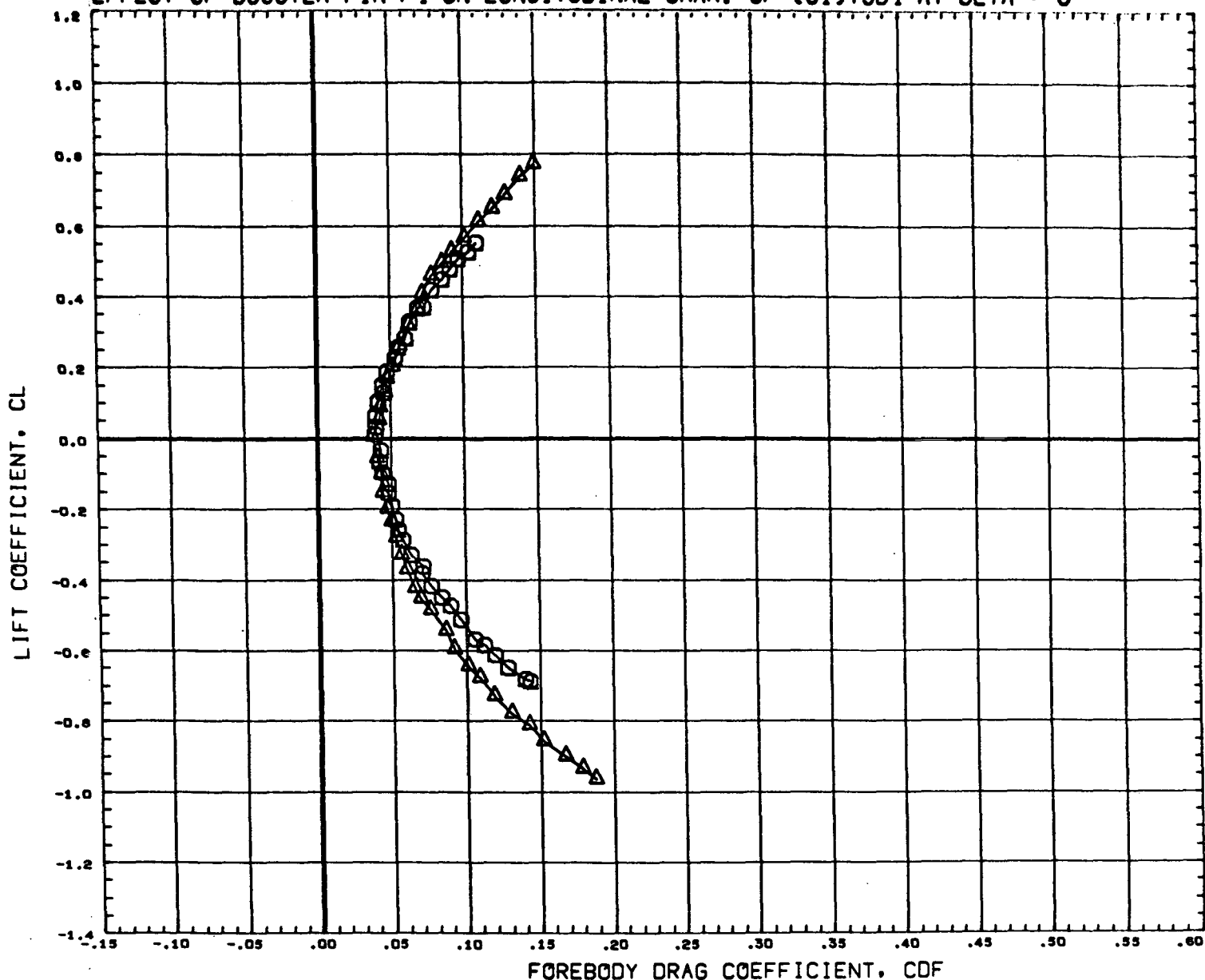


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE(T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE(T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (CD7527) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

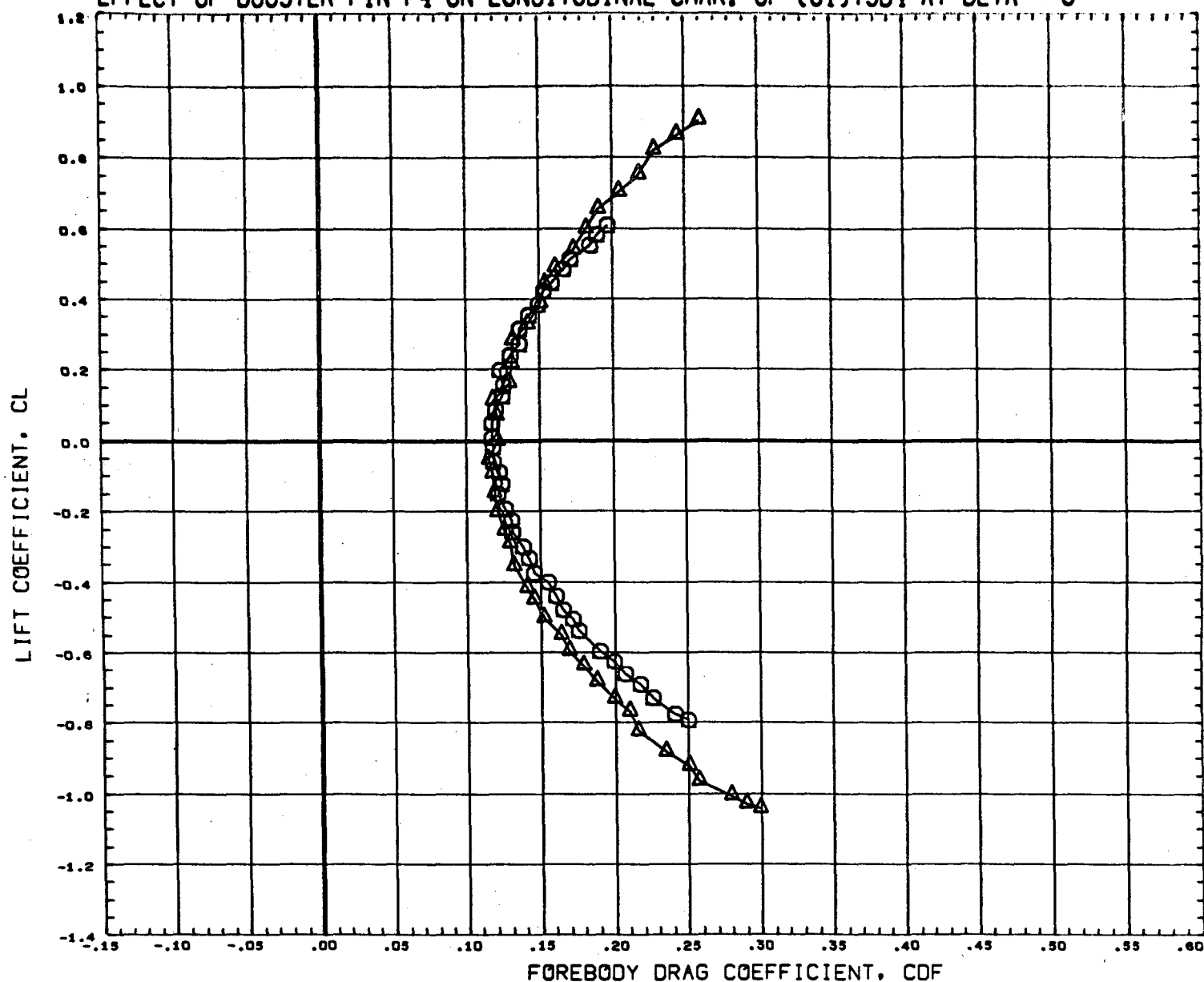
BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH .58

PAGE 600

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7522) O MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

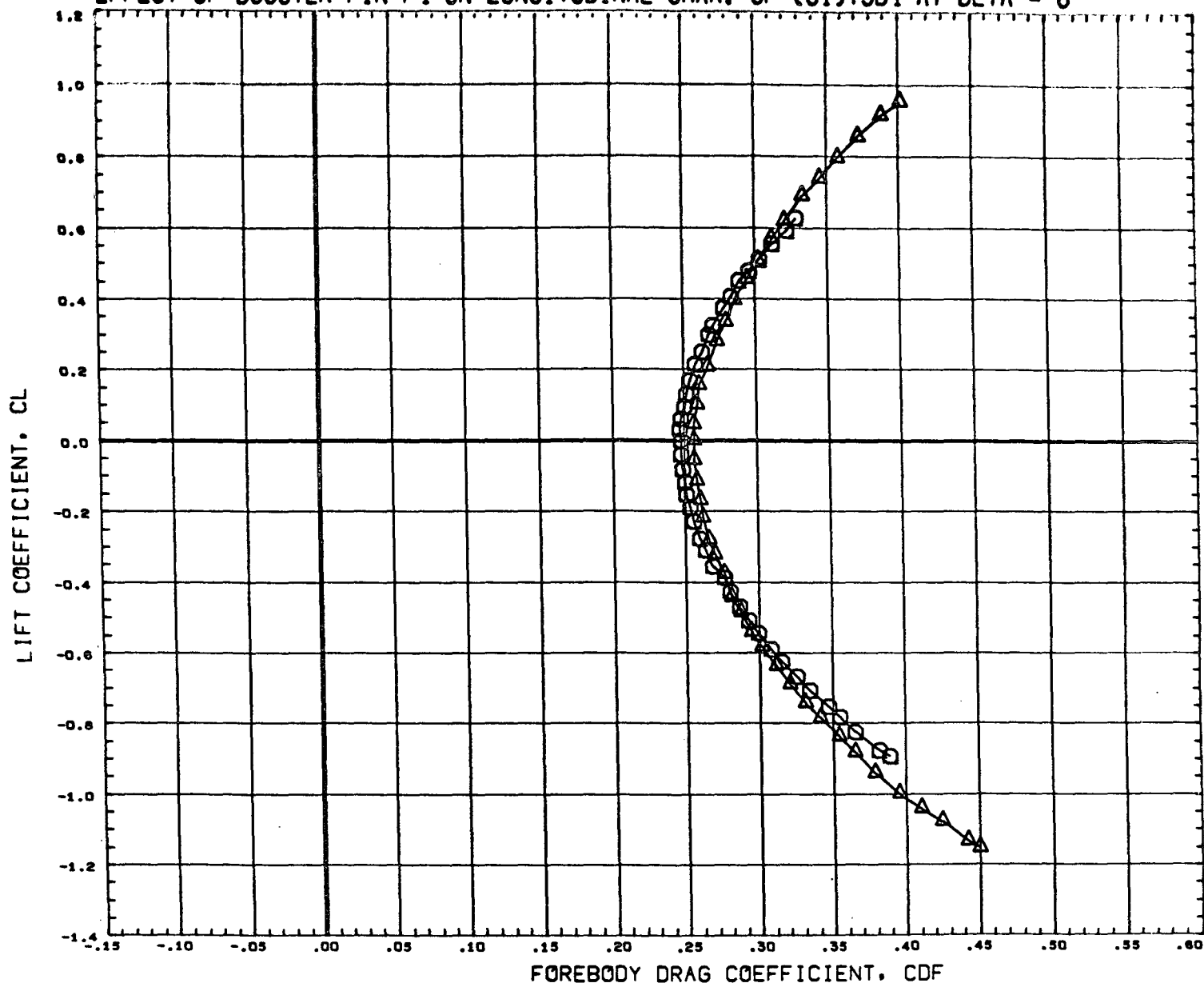
REFERENCE INFORMATION

SREF	3155.3040	SQ. FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH .89

PAGE 601

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

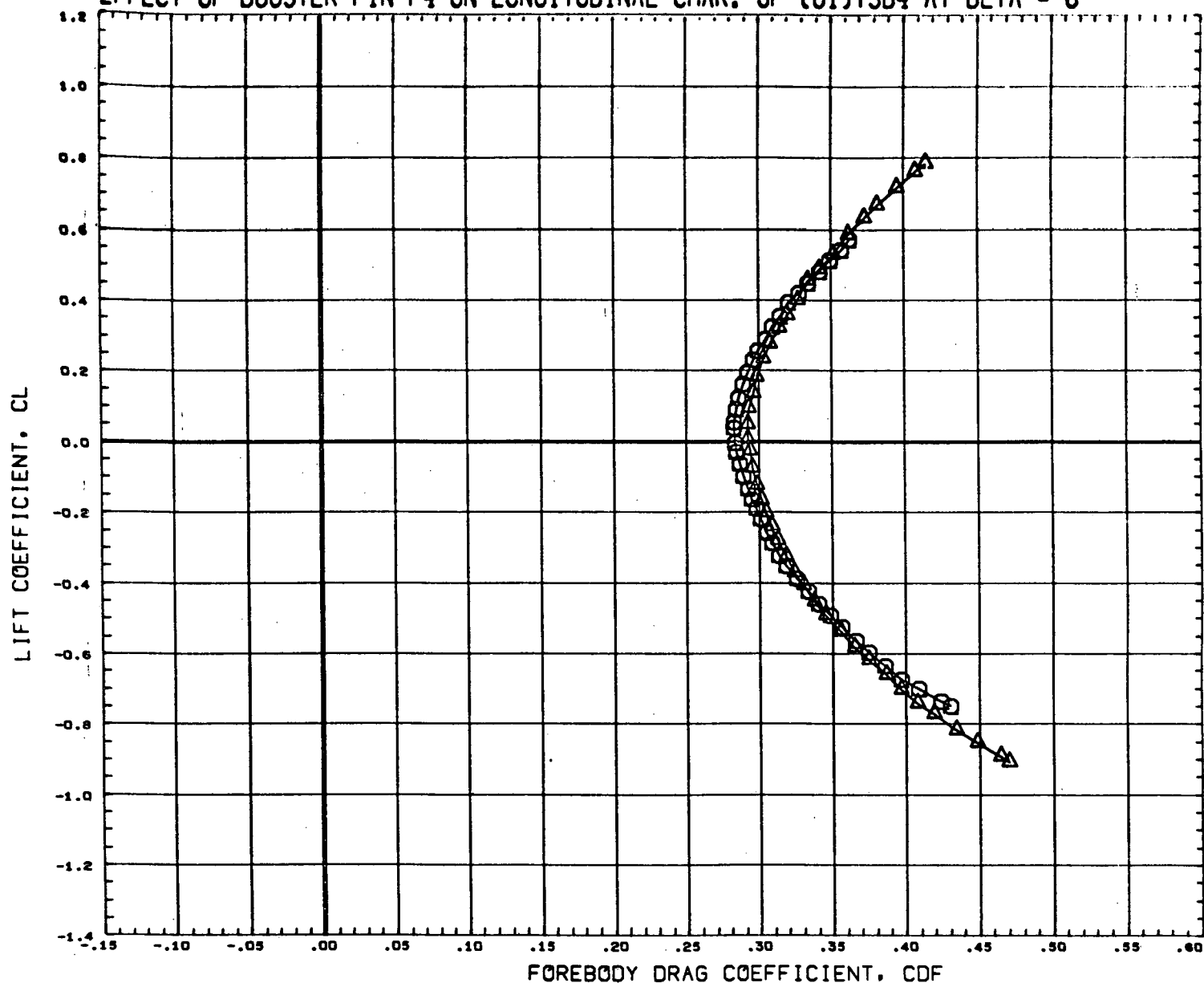
BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000



REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 1.08

PAGE 602

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



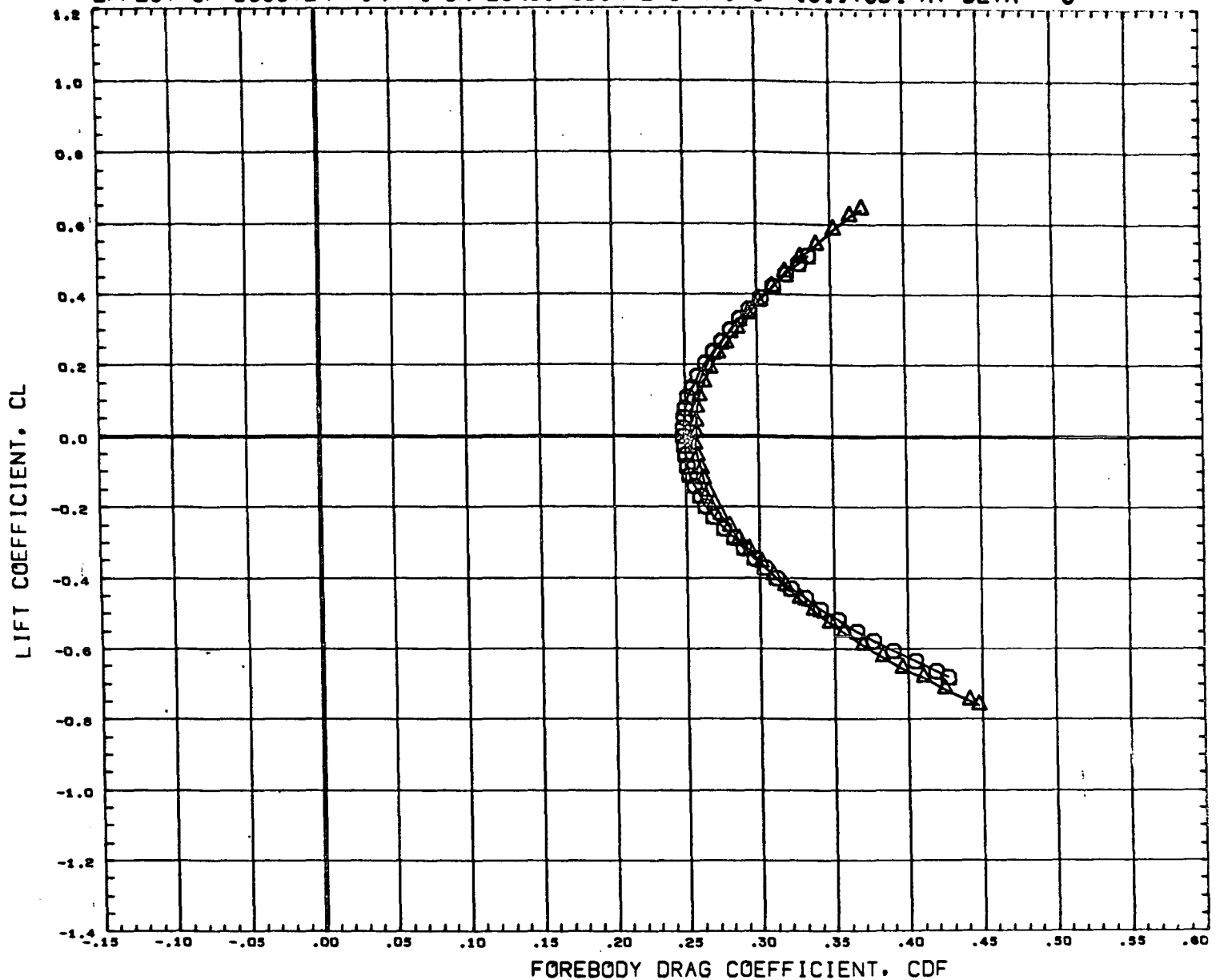
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522)  MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527)  MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

PAGE 603

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

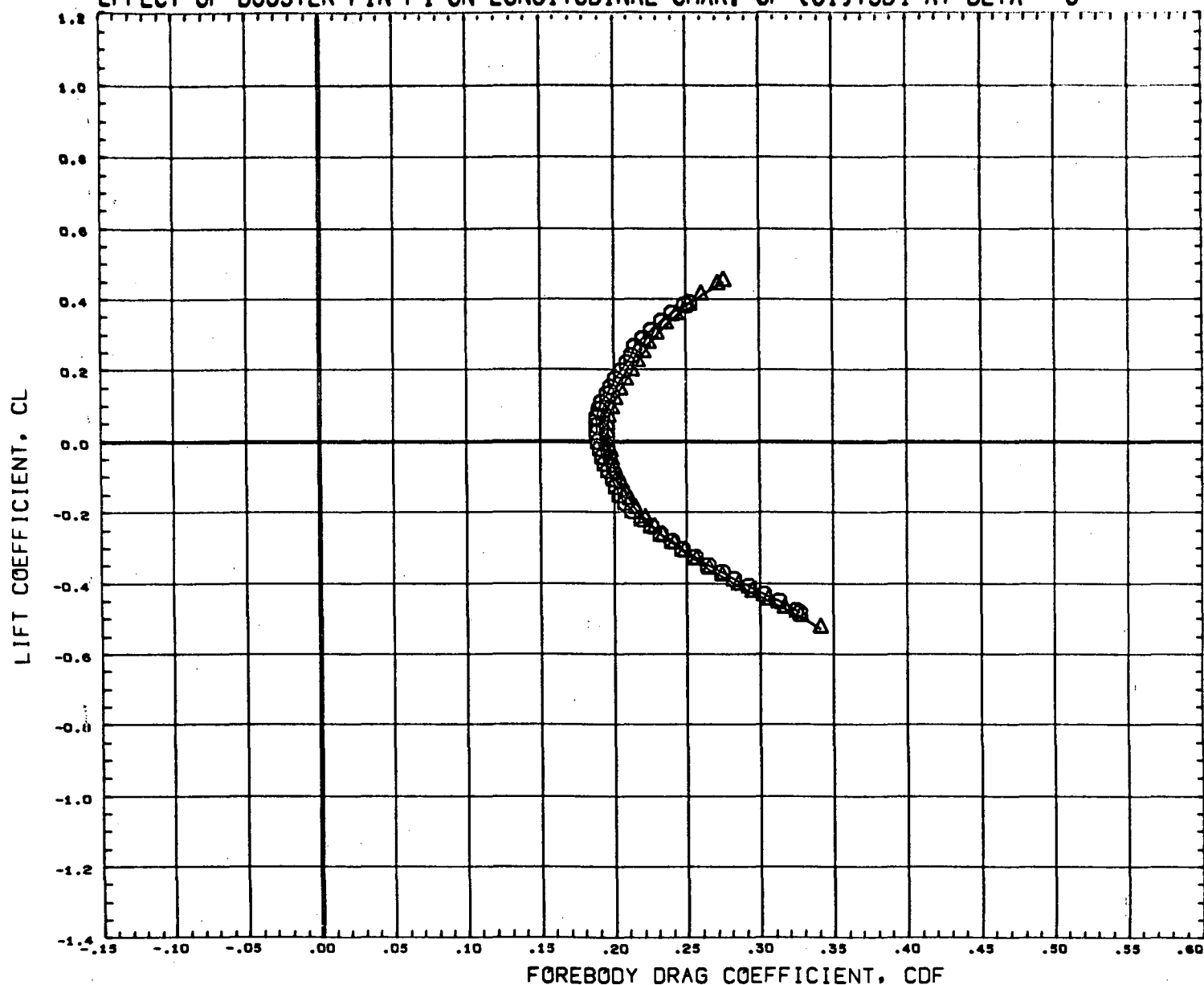
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.3004 IN.
 BREF 882.0004 IN.
 XMRP 957.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH

2.20

PAGE 604

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



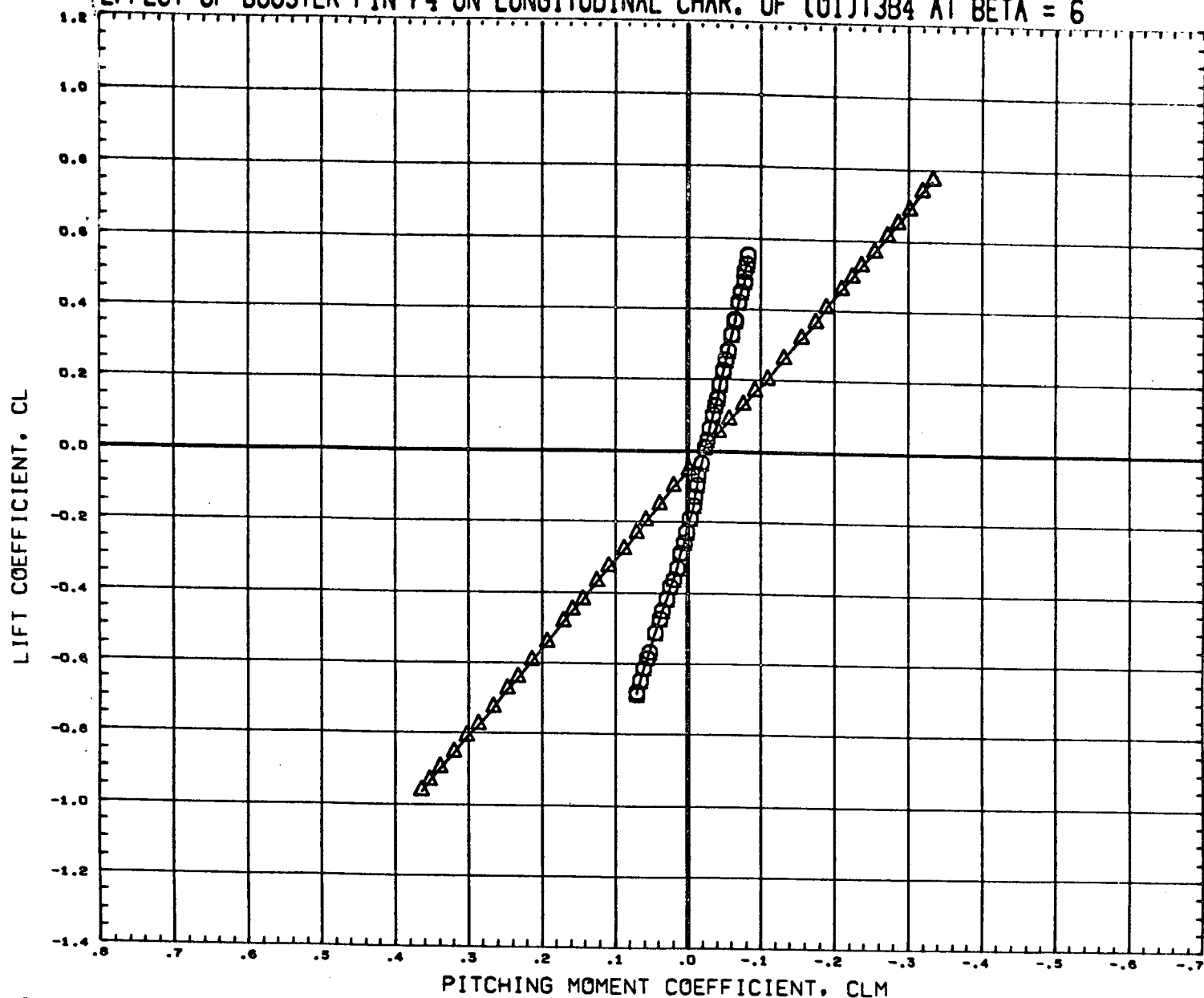
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4
(CD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

PAGE 605

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

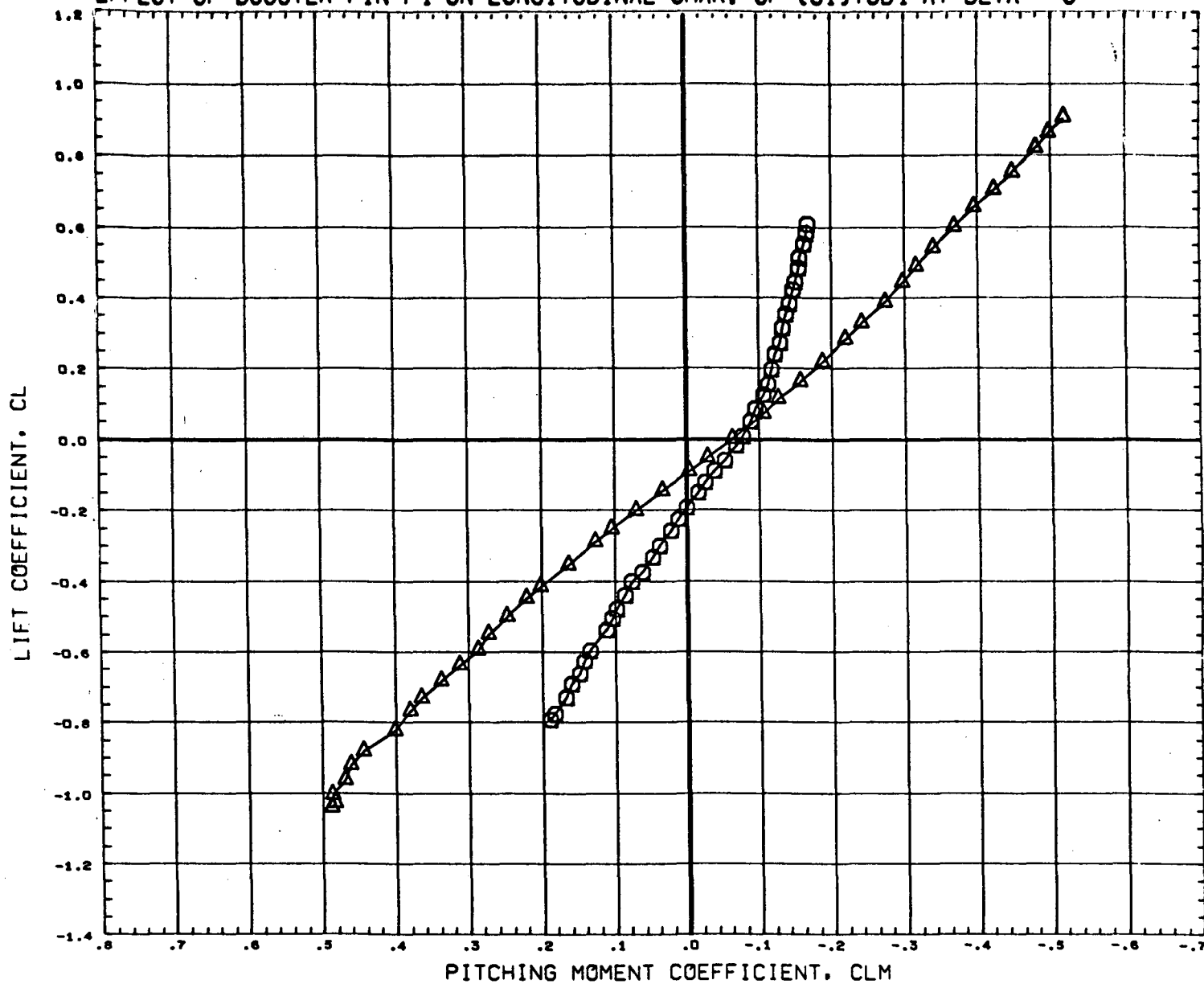
(C07522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
(C07527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .58

PAGE 606

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

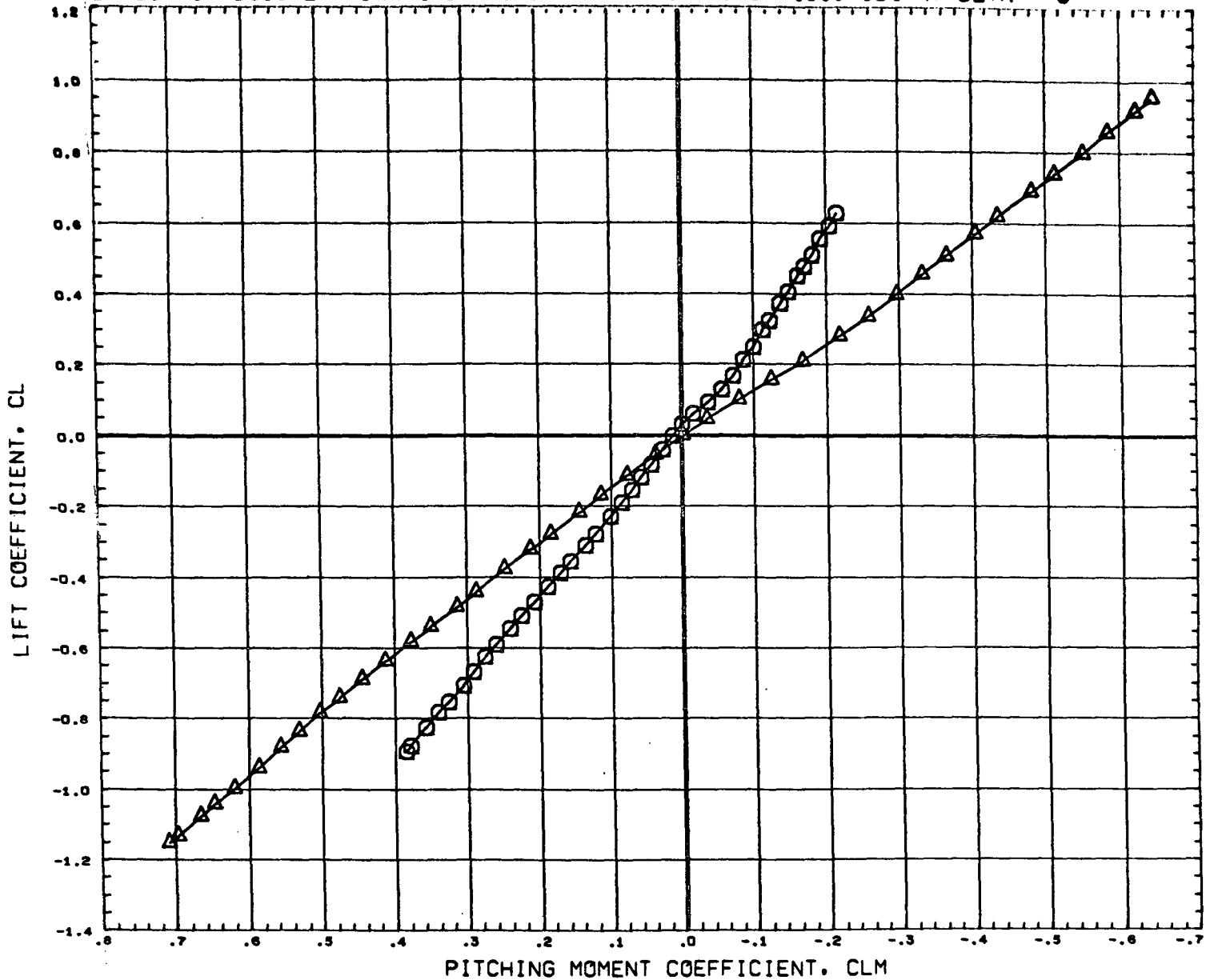


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	○	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	△	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
							BREF	882.0004 IN.
							XMRF	557.0004 IN.
							YMRF	0.0000 IN.
							ZMRF	200.0004 IN.
							SCALE	0.0060

MACH .89

PAGE 607

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

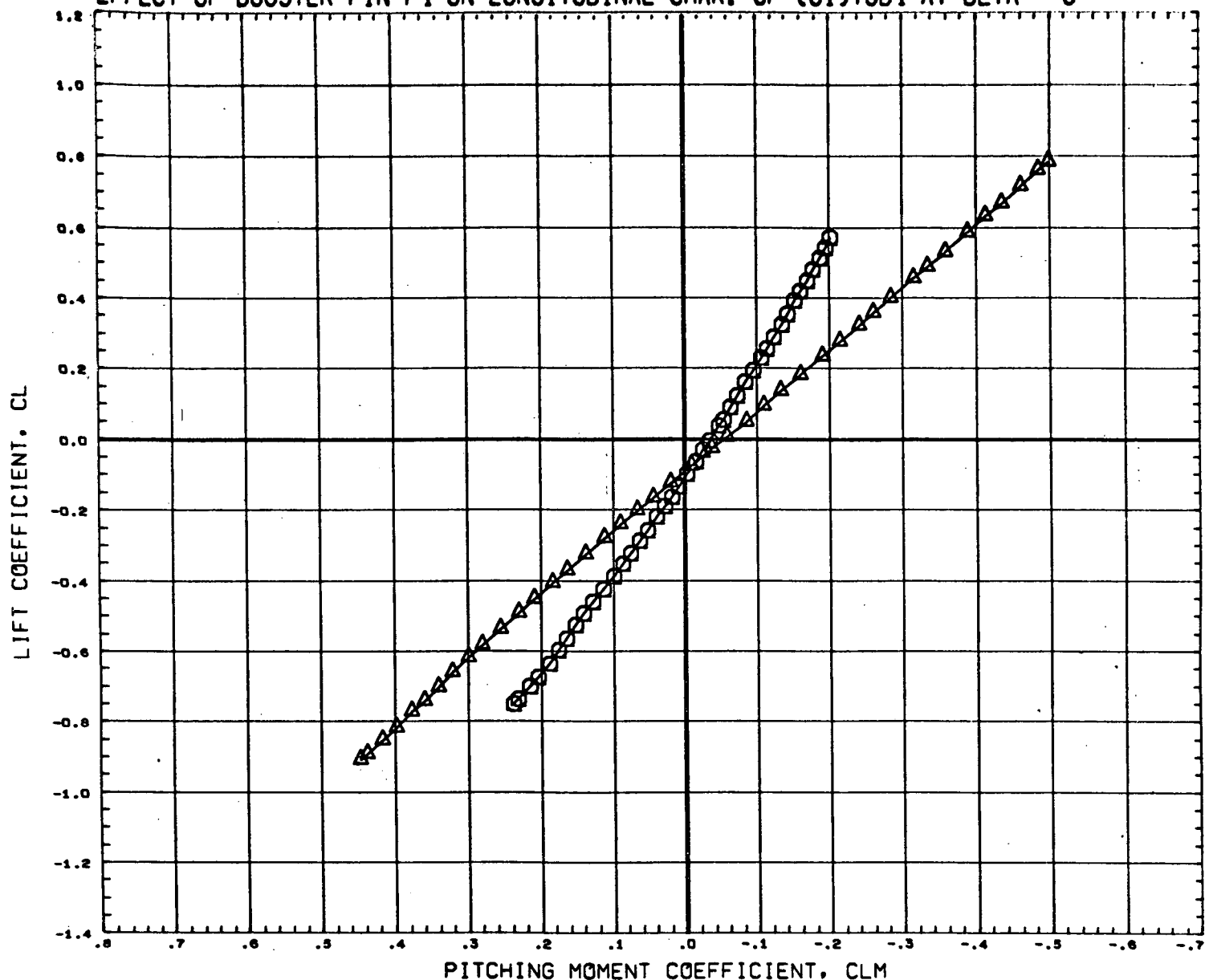


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	ATLRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.08

PAGE 608

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



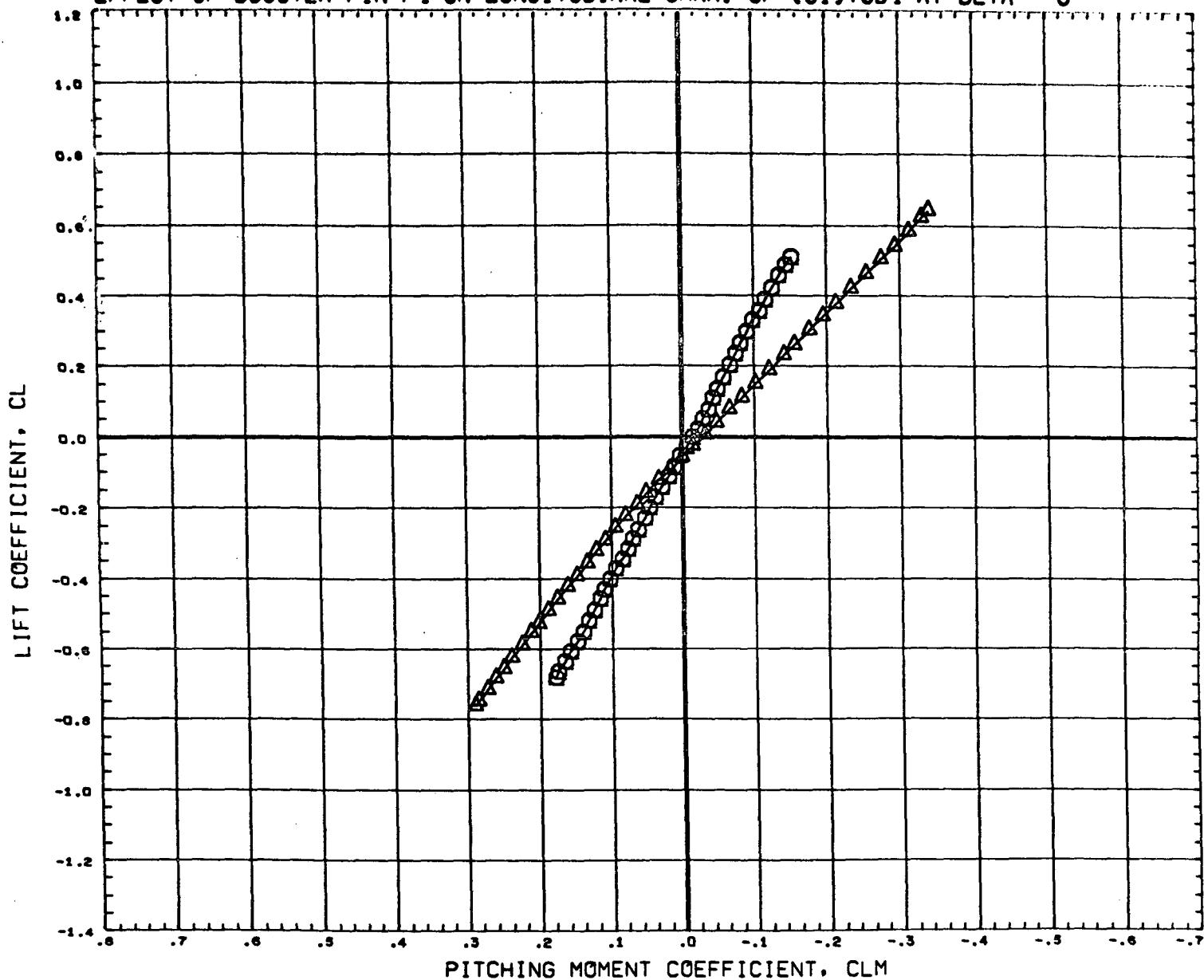
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060



MACH 1.51

PAGE 609

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD7522)  MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (CD7527)  MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

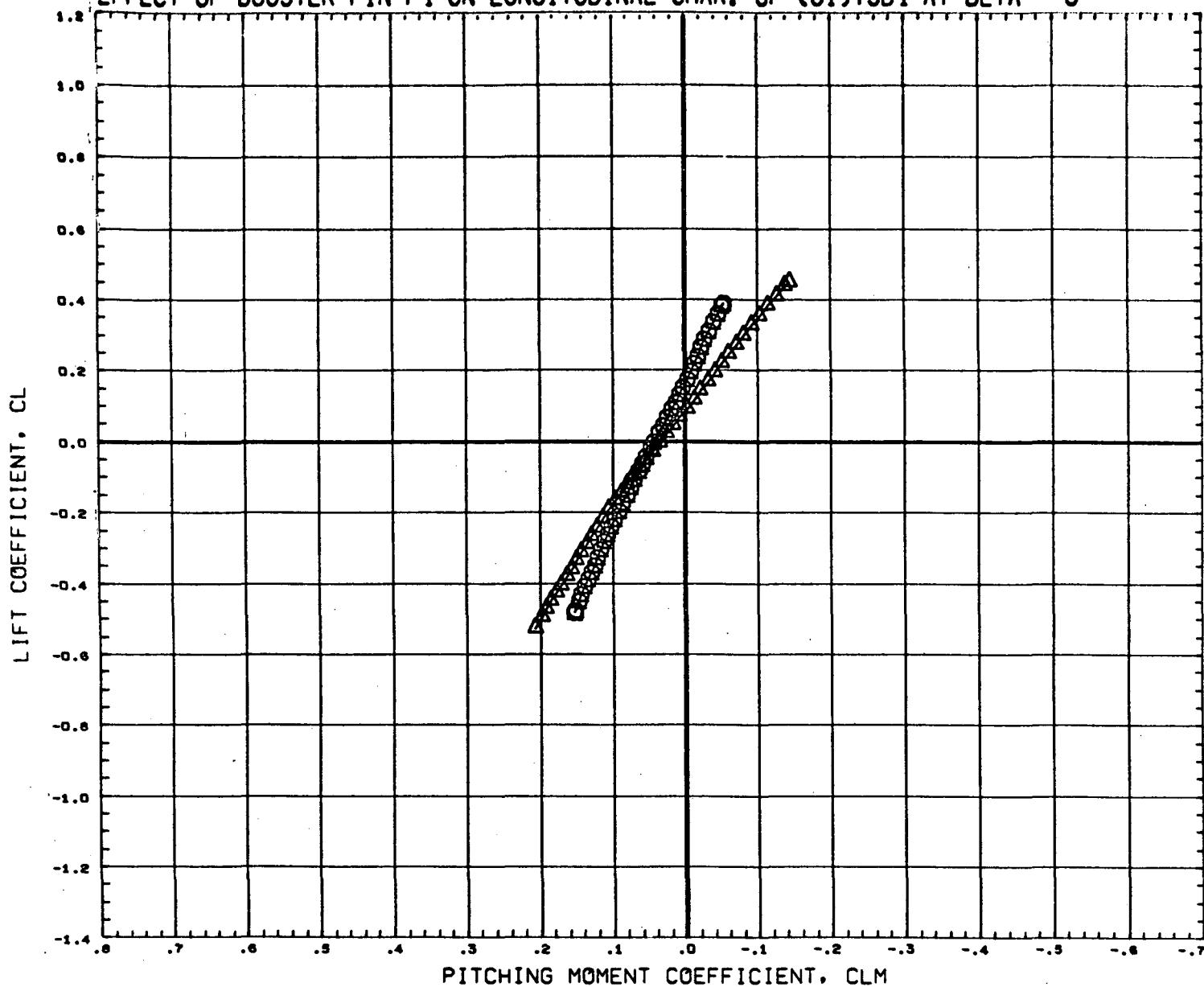
BETA	ELEVTR	AILRON	RUDDER
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION		
SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRP	557.0004	IN.
YMRP	0.0000	IN.
ZMRP	200.0004	IN.
SCALE	0.0060	

MACH 2.20

PAGE 610

EFFECT OF BOOSTER FIN F4 ON LONGITUDINAL CHAR. OF (01)T3B4 AT BETA = 6

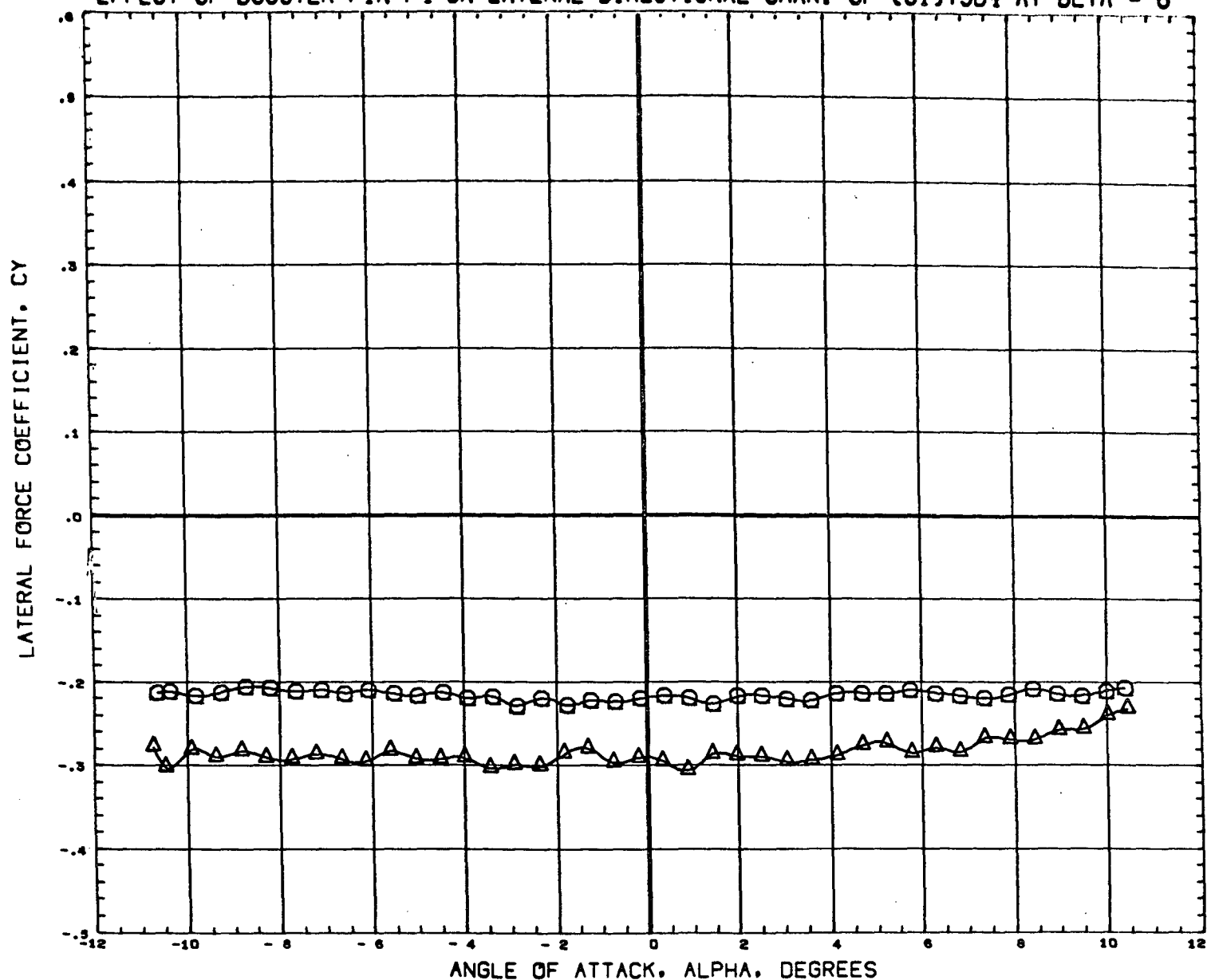


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7522)	MDAC S-222 COMPOSITE (T-C6) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7527)	MDAC S-222 COMPOSITE (T-C6) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 611

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

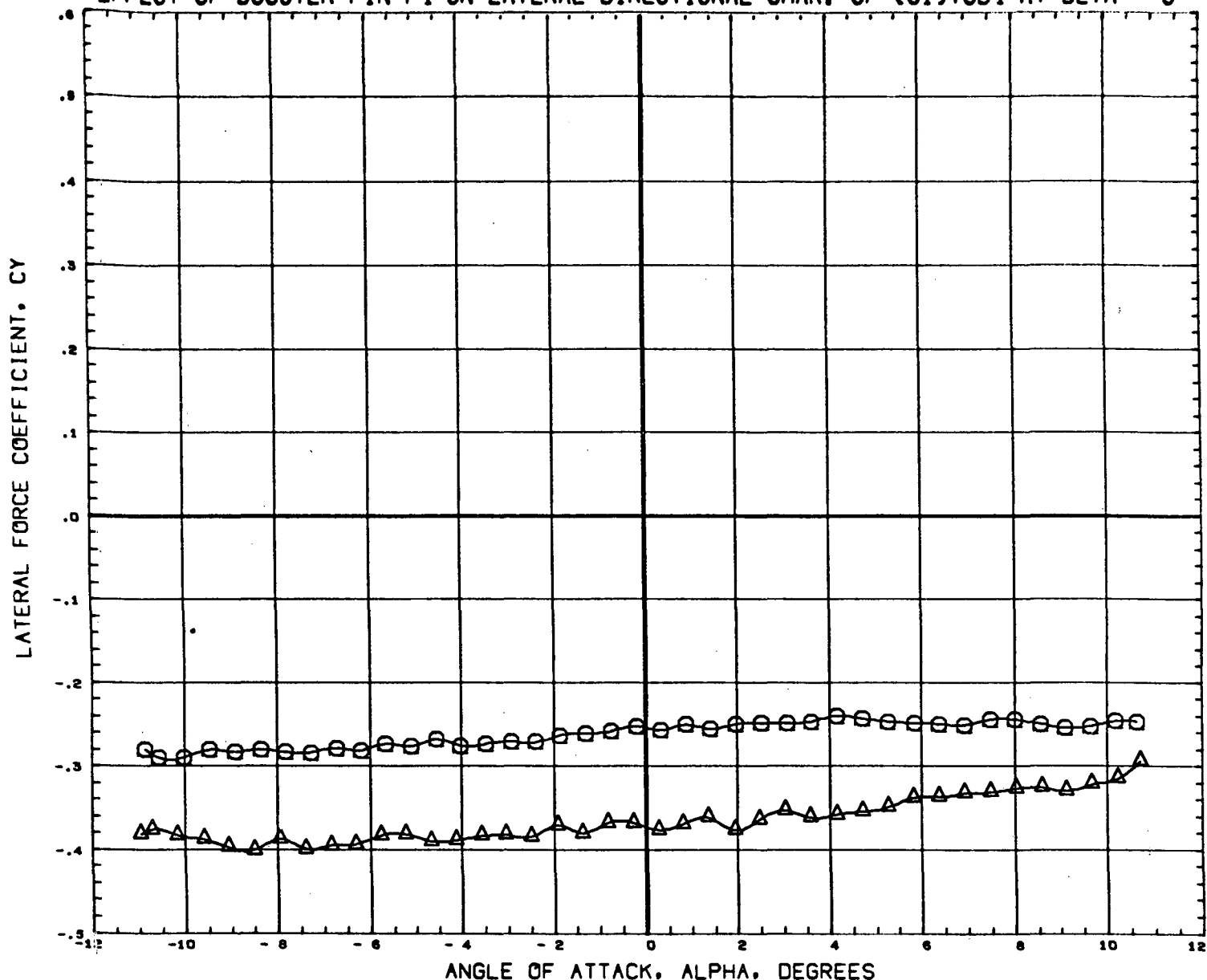


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 612

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



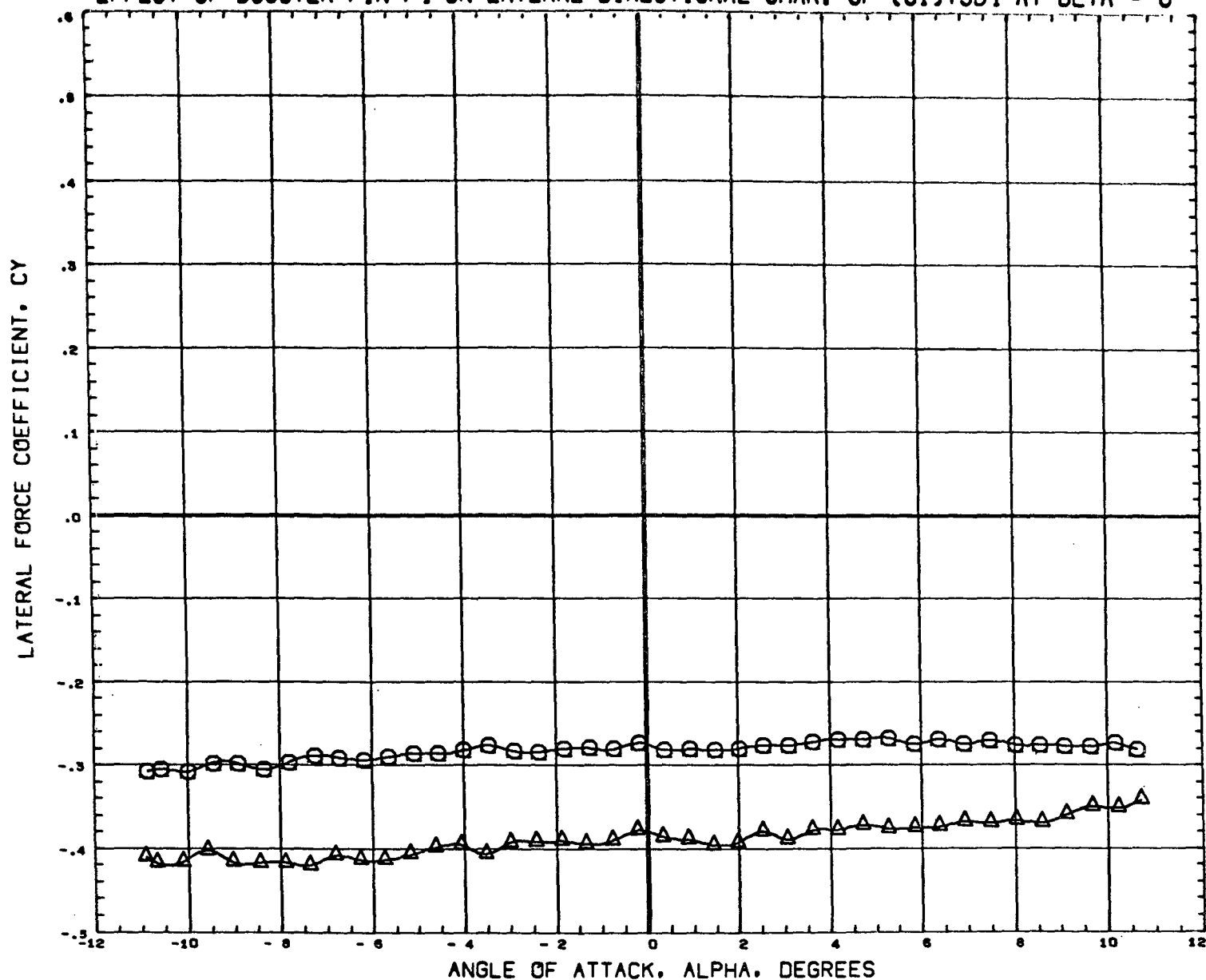
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7522) O MDAC S-222 COMPOSITE (T-CG) O1T3B4
(RD7527) A MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 613

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7522) ○ MDAC S-222 COMPOSITE (T-CG) O1T3B4
(RD7527) △ MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA ELEVTR AILRON RUDDER
6.000 0.000 0.000 0.000
6.000 0.000 0.000 0.000

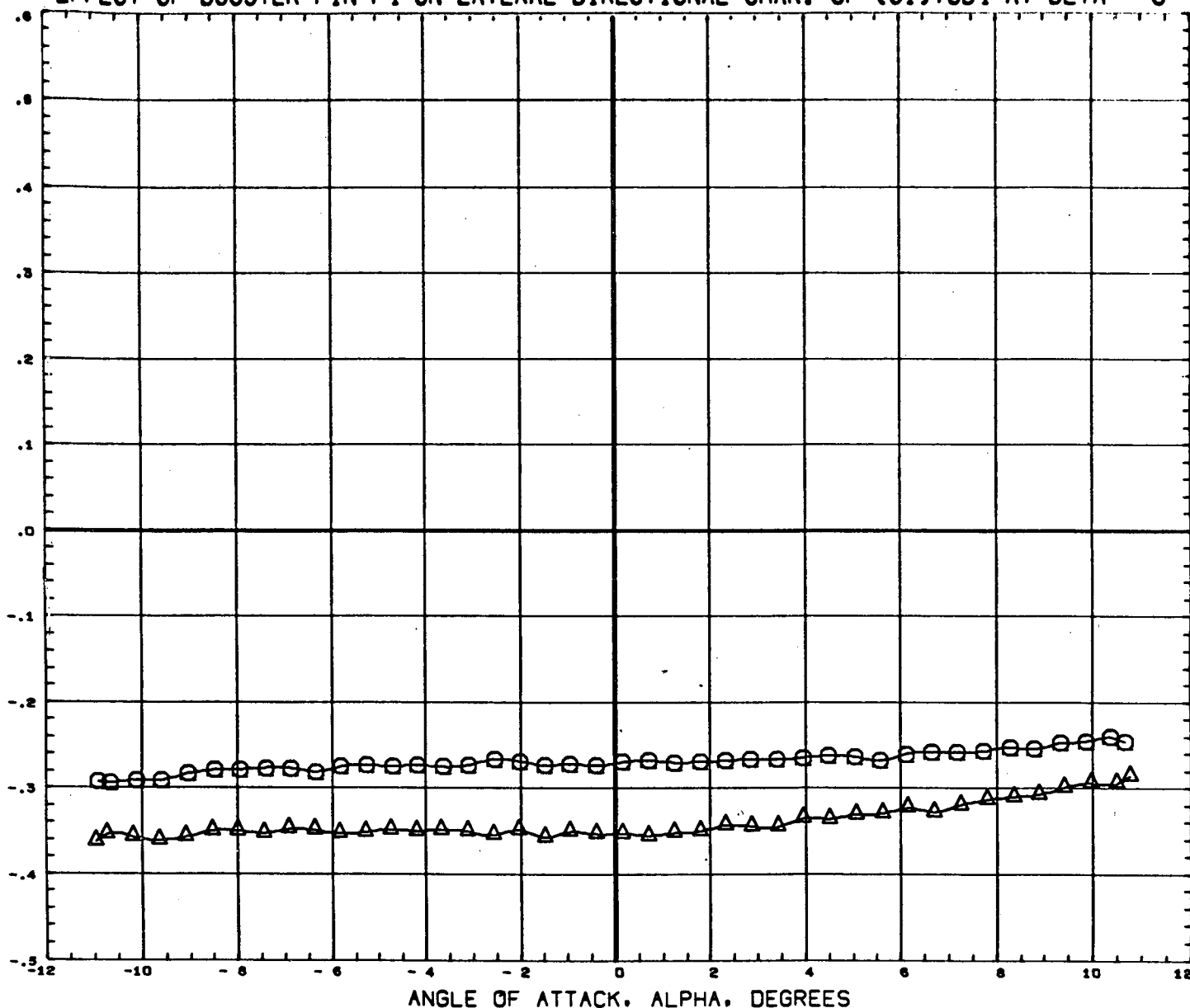
REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 1.08

PAGE 614

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

LATERAL FORCE COEFFICIENT, CY



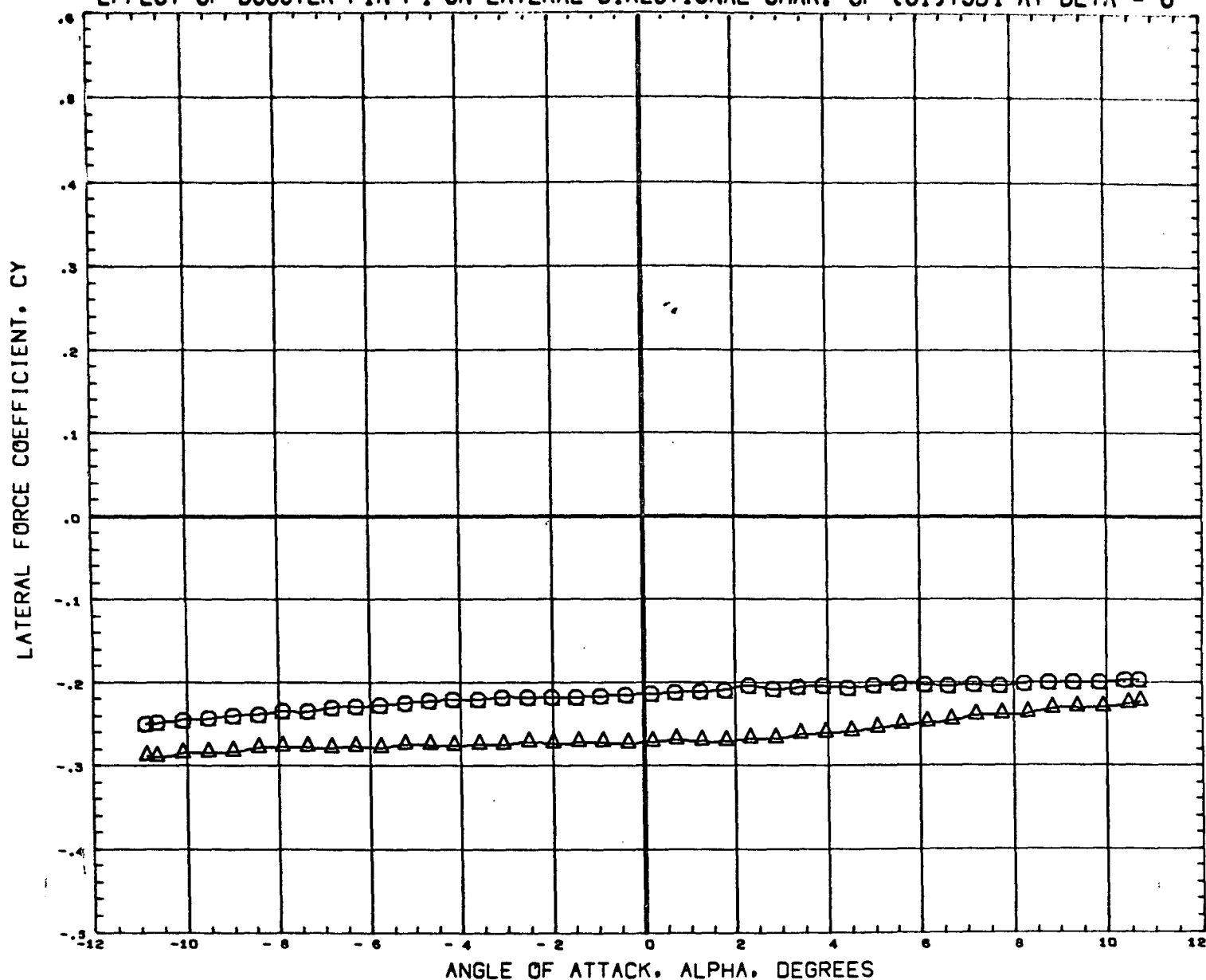
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7522) (RD7527) MDAC S-222 COMPOSITE (T-CG) 01T3B4
 MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
6.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF 609.5004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.51

PAGE 615

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

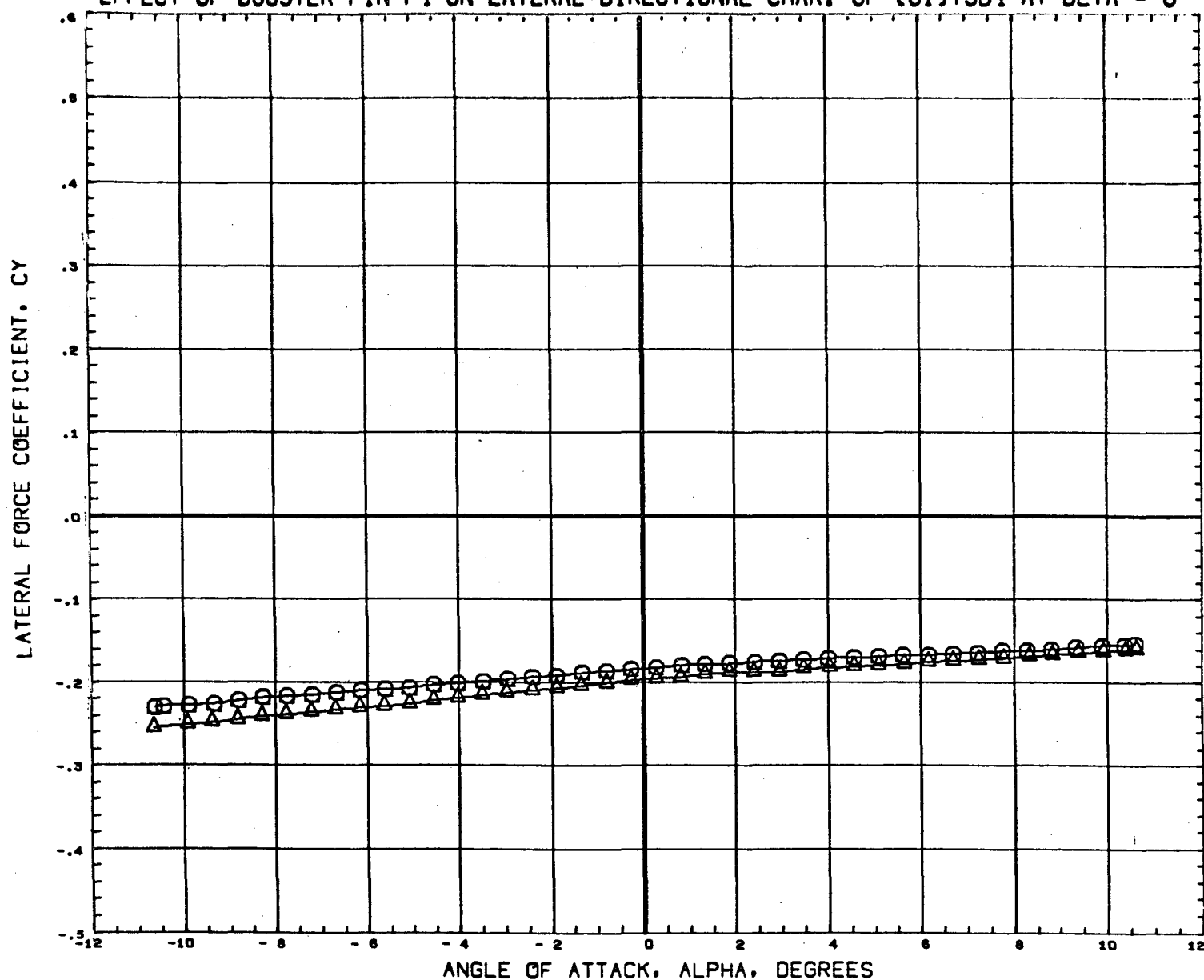


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7522)	NDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7527)	NDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 616

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

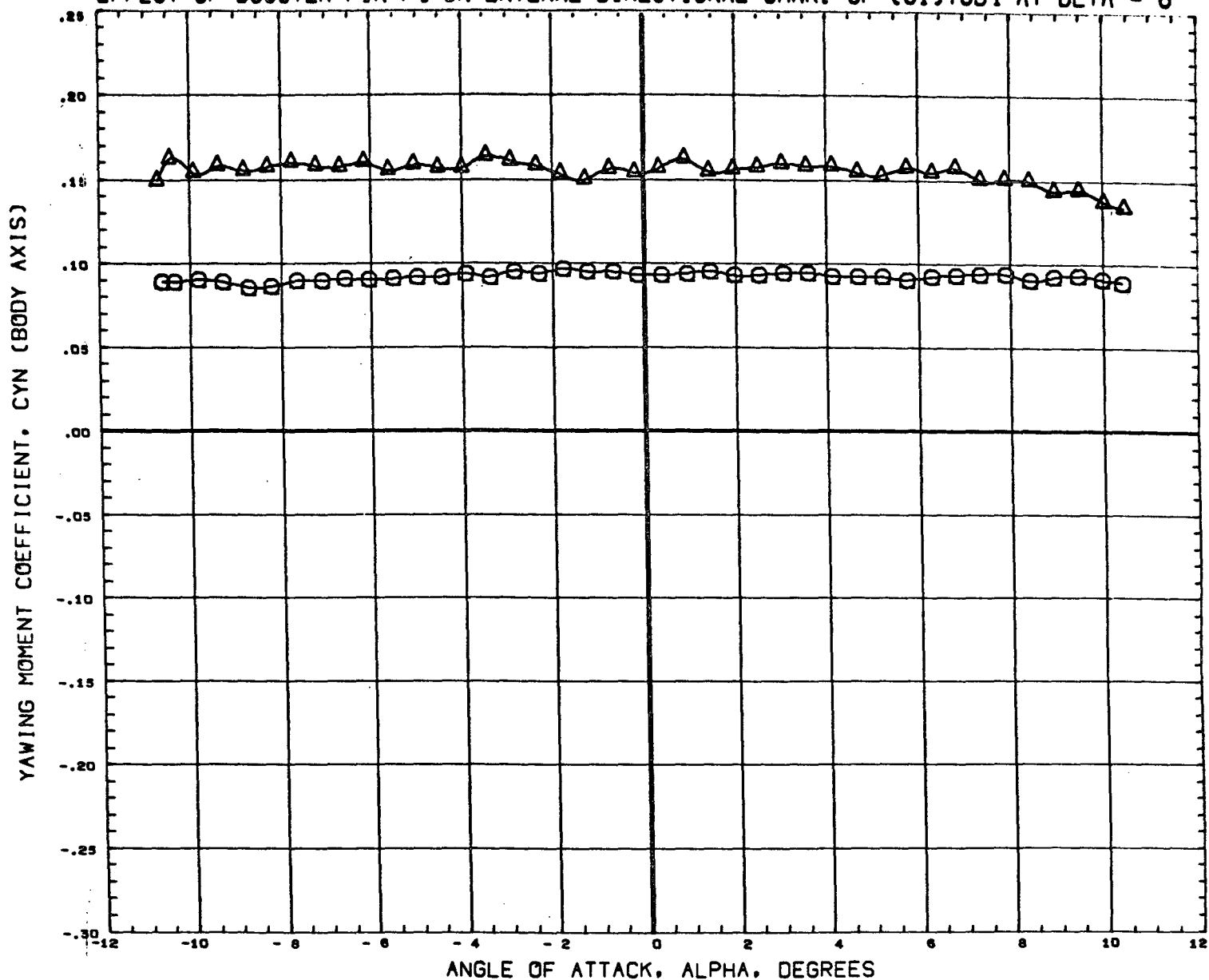


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 617

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

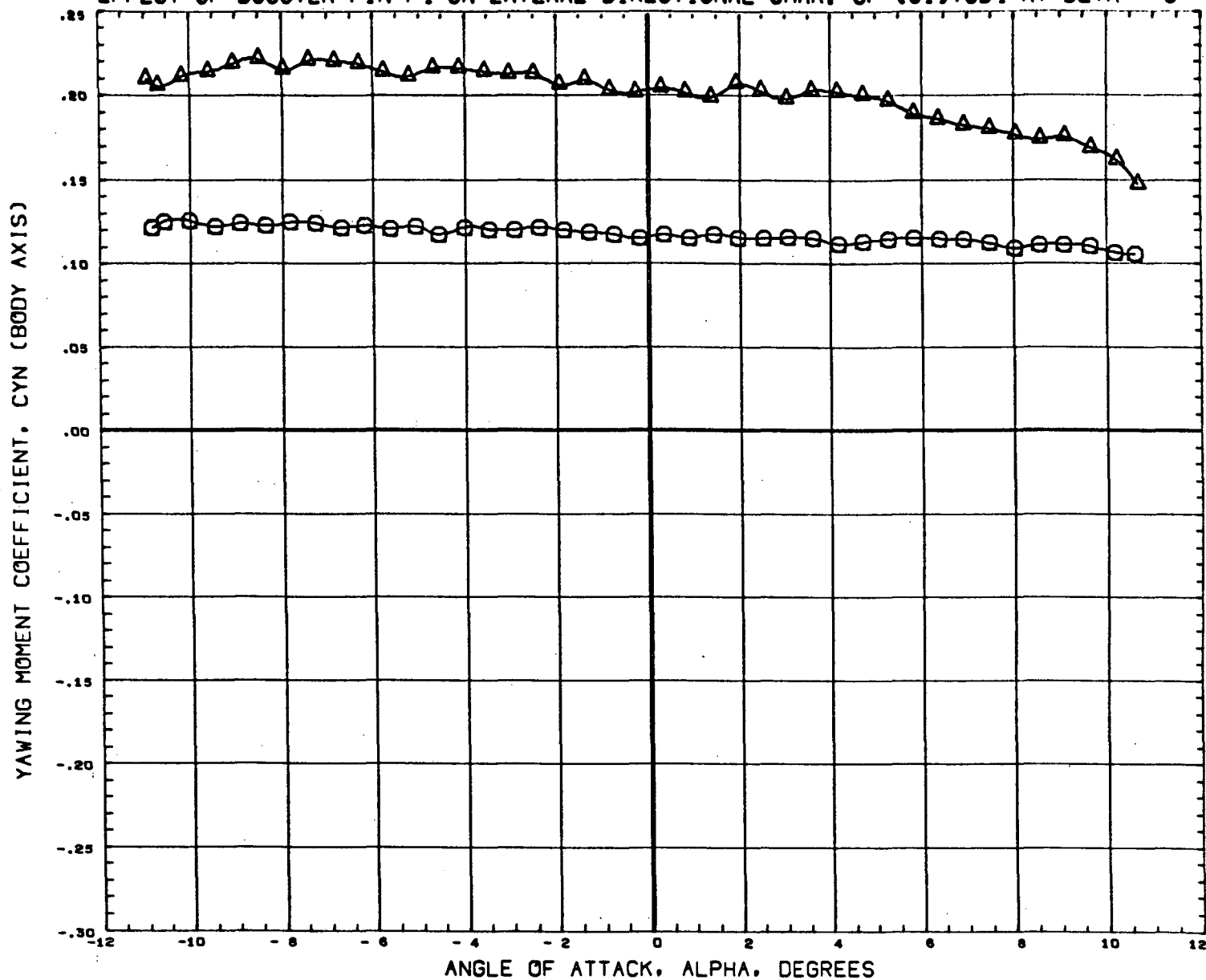


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .58

PAGE 618

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



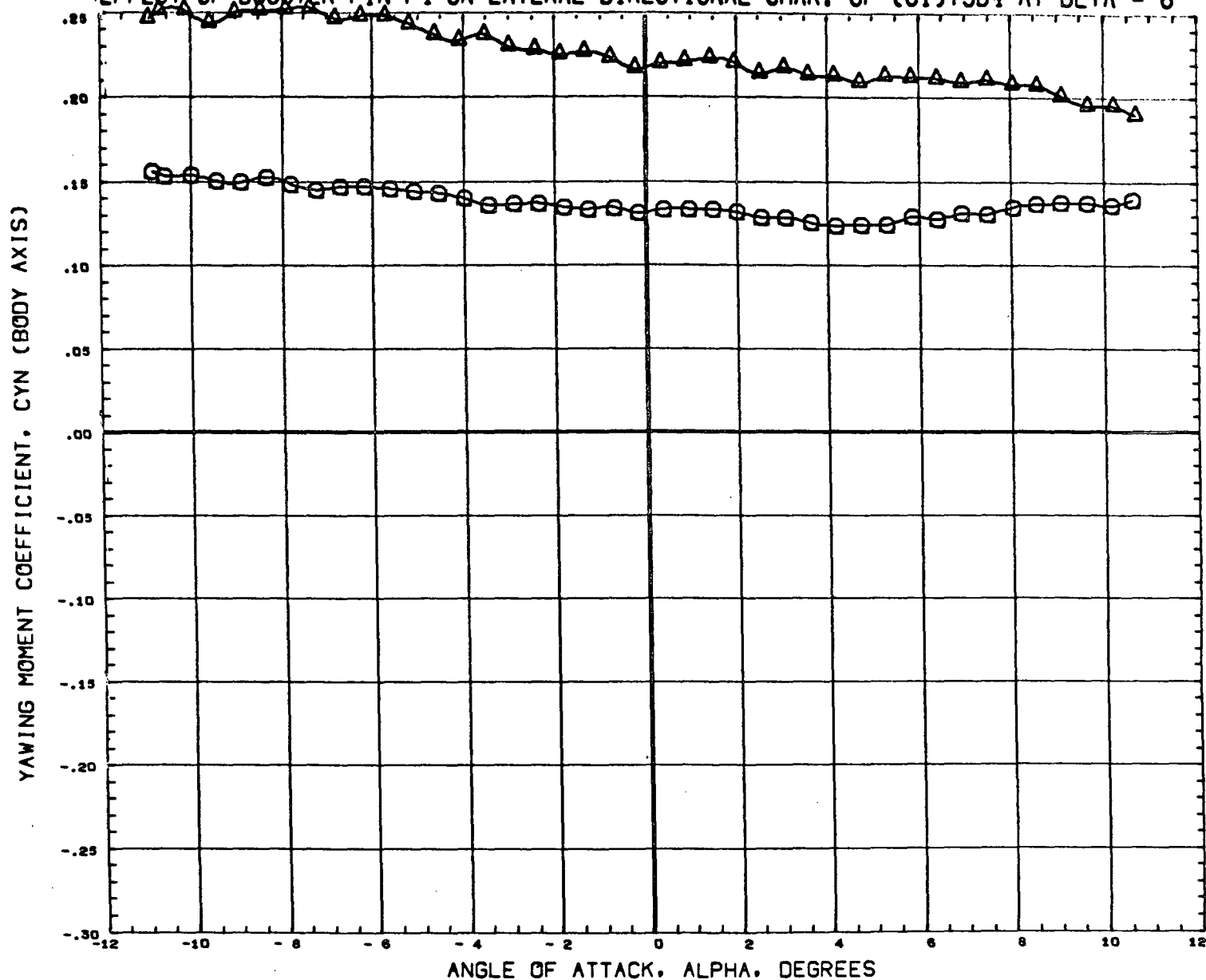
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7522)	MDAC S-222 COMPOSITE (T-CG) O1T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7527)	MDAC S-222 COMPOSITE (T-CG) O1T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	0.0000 IN.
						SCALE	200.0004 IN.
							0.0060

MACH

.89

PAGE 619

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

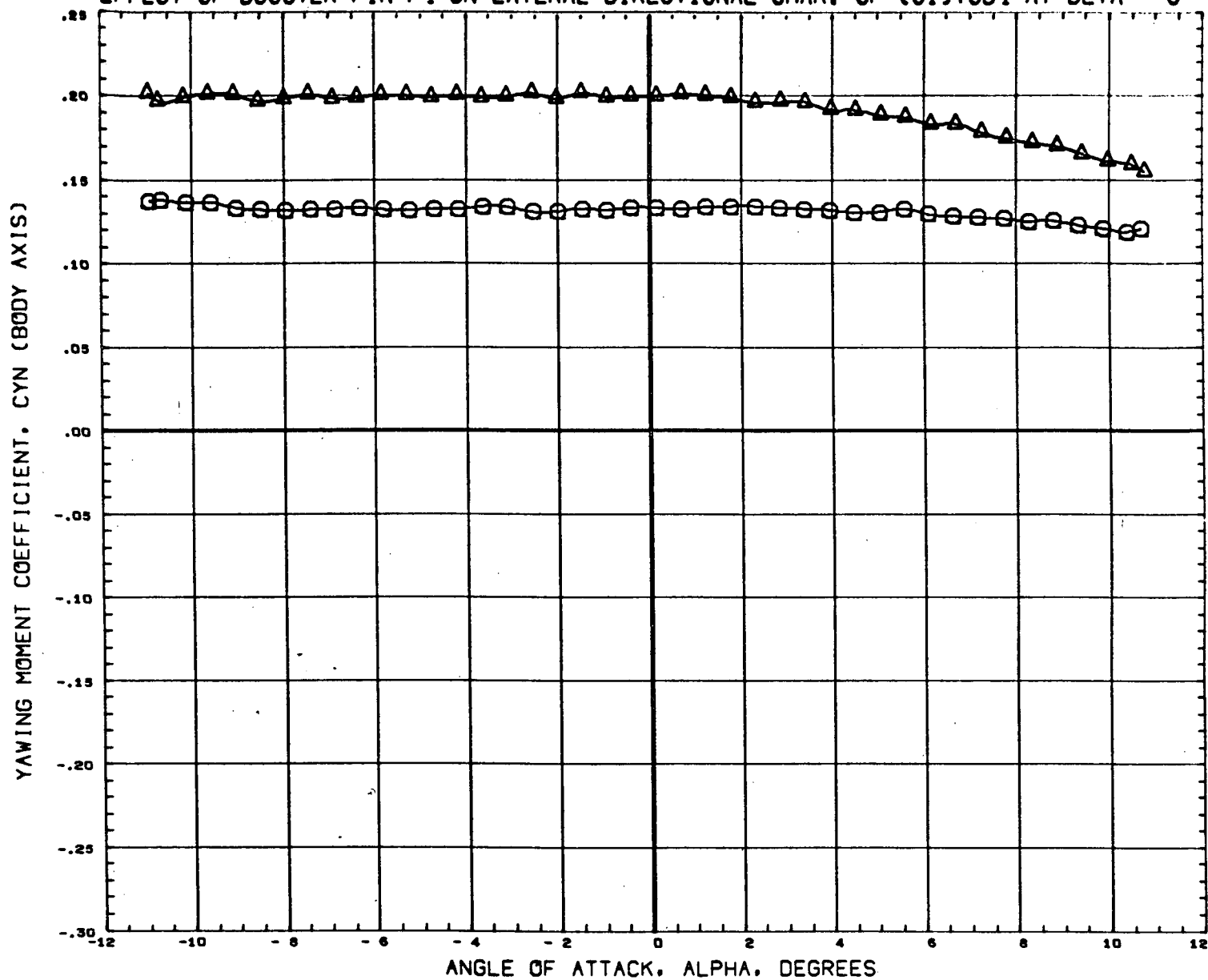


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



MACH 1.08

PAGE 620

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

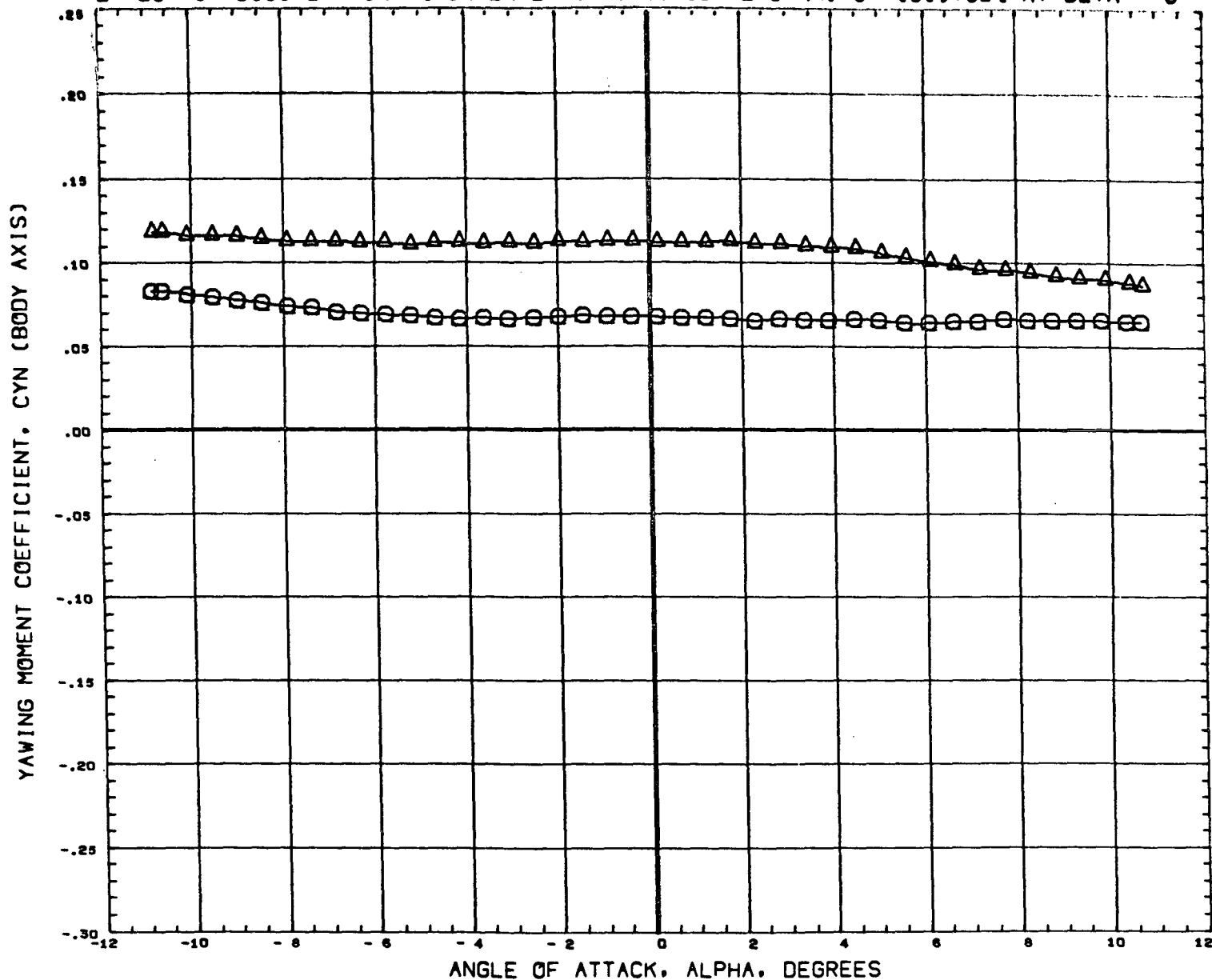
(RD7522)  MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7527)  MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7522) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7527) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA ELEVTR AILRON RUDDER
 6.000 0.000 0.000 0.000
 6.000 0.000 0.000 0.000

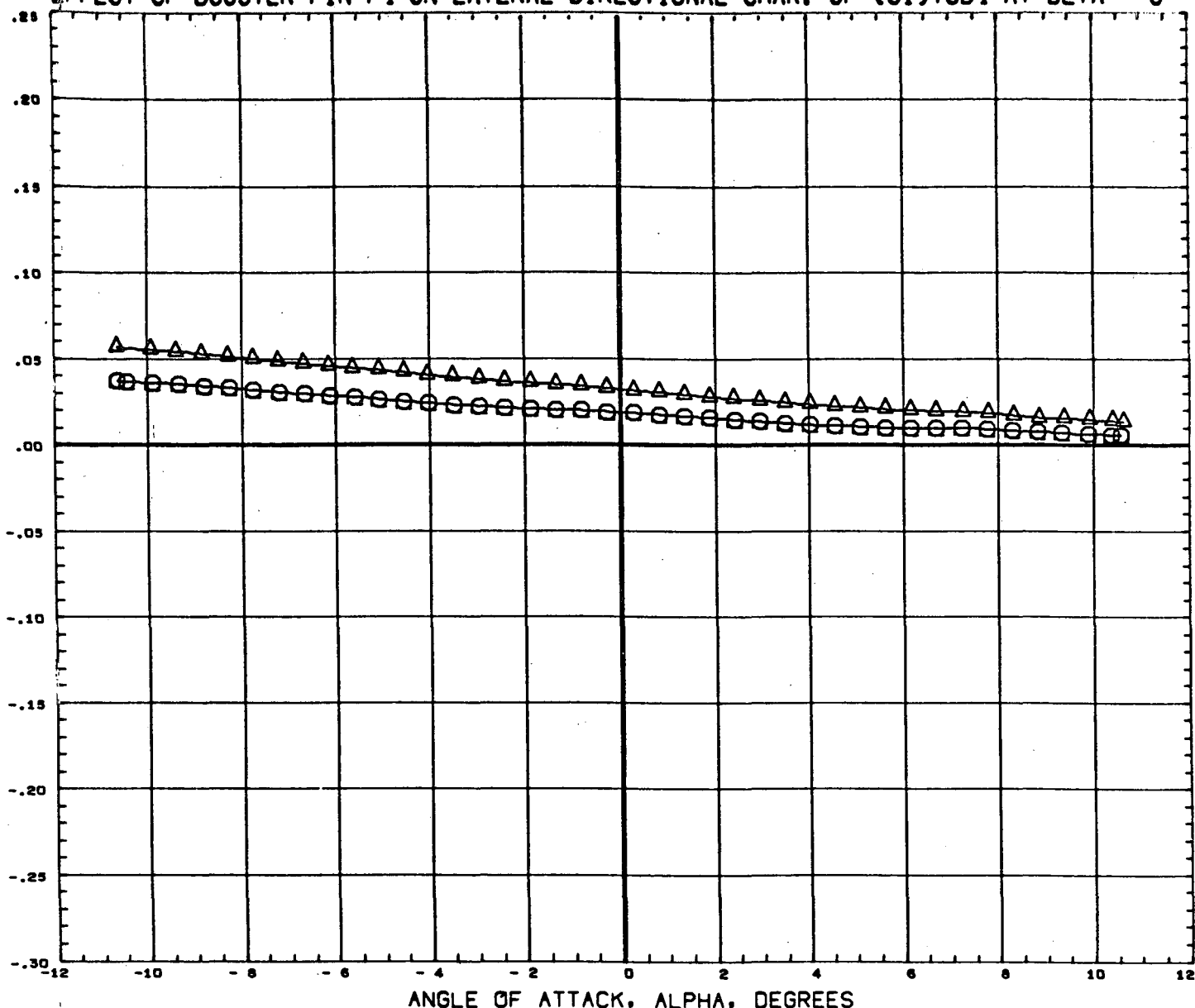
REFERENCE INFORMATION
 SREF 3155.3040 SQ. FT.
 LREF 609.5004 IN.
 BREF 862.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH 2.20

PAGE 622

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



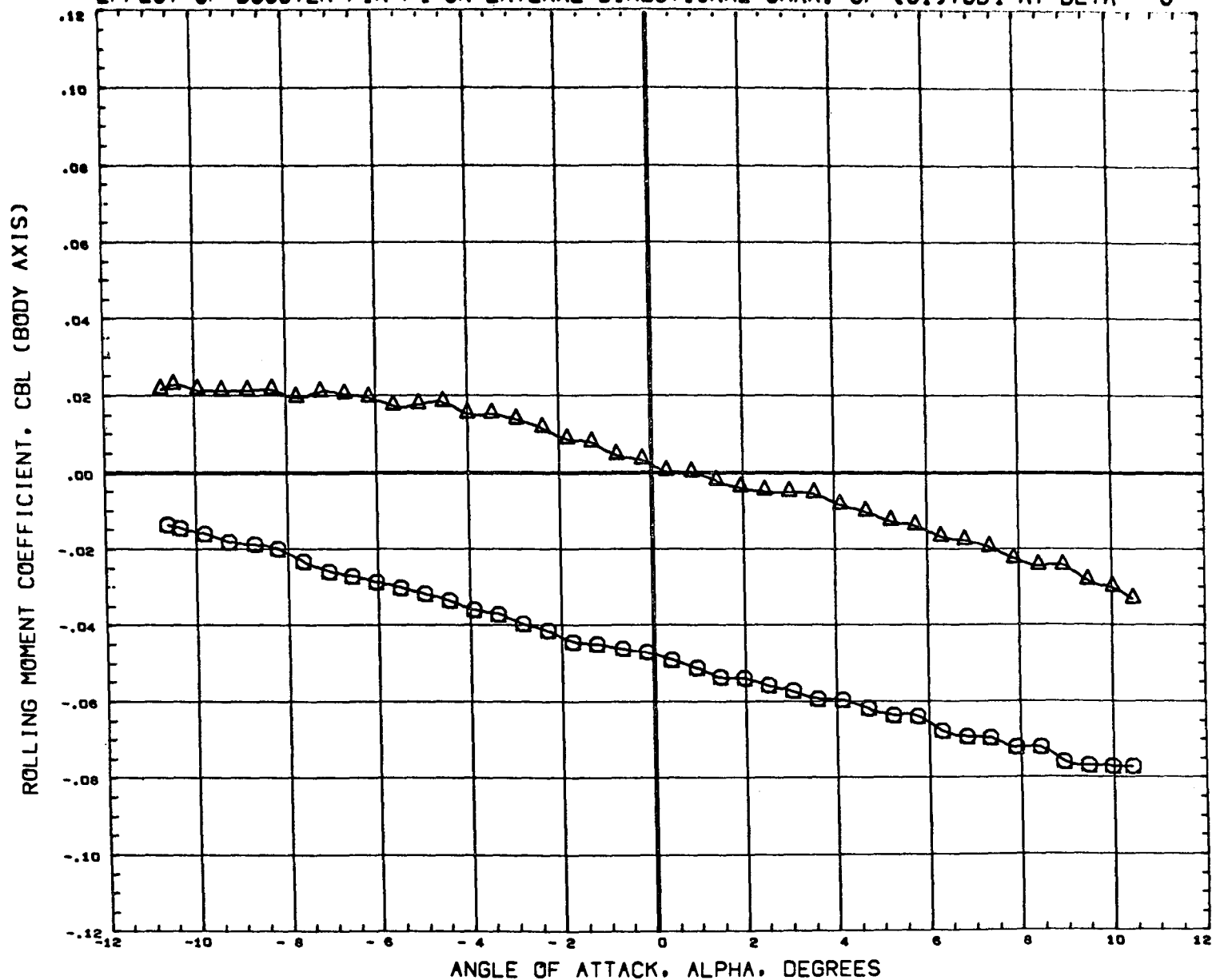
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7522) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7527) △ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD7522) \bigcirc MDAC S-222 COMPOSITE (T-CG) 01T3B4
 (RD7527) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER
6.000	0.000	0.000	0.000
6.000	0.000	0.000	0.000

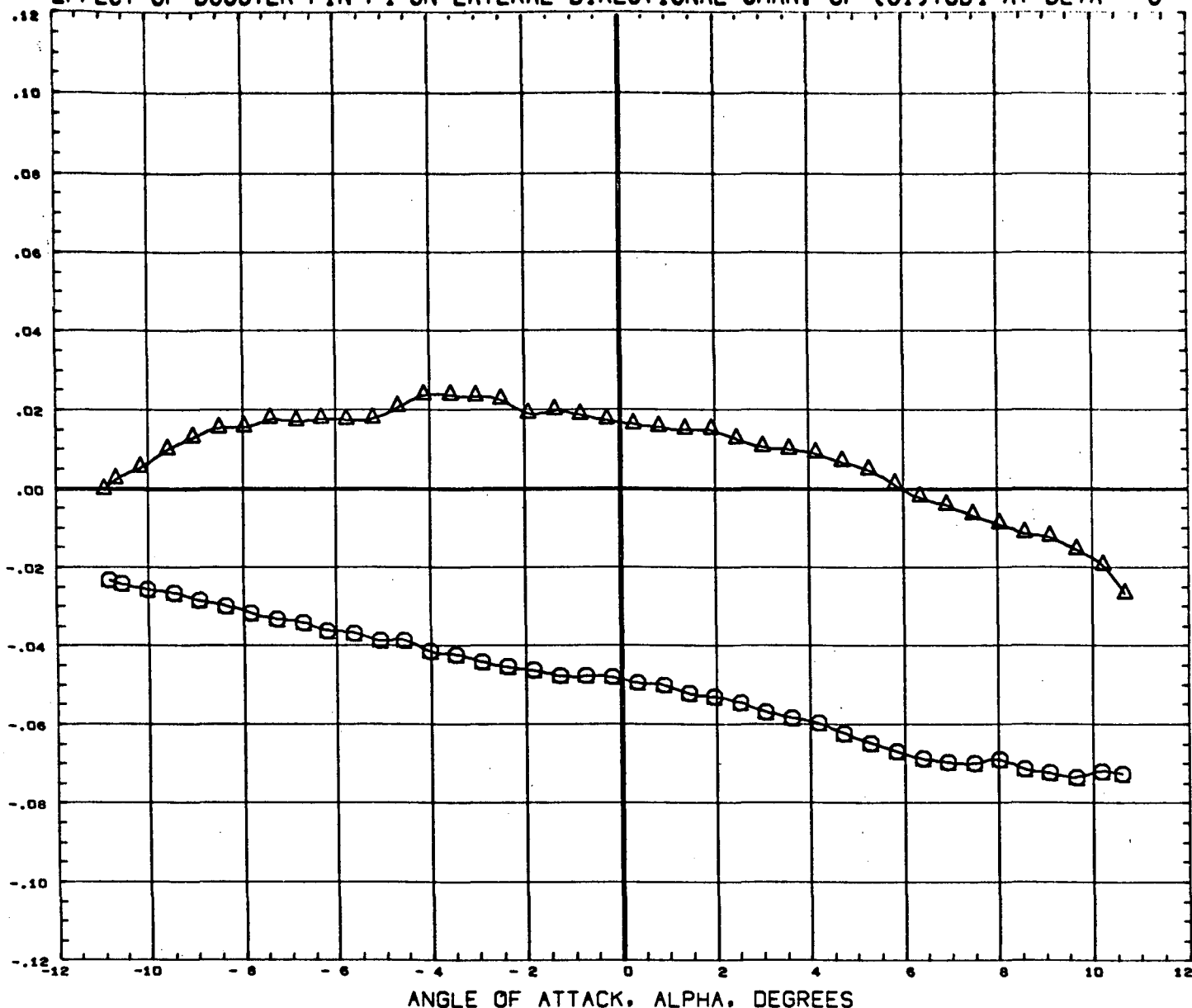
REFERENCE INFORMATION		
SREF	3155.3040	sq.ft.
LREF	609.5004	in.
BREF	882.0004	in.
XMRP	557.0004	in.
YMRP	0.0000	in.
ZMRP	200.0004	in.
SCALE	0.0060	

MACH .58

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EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



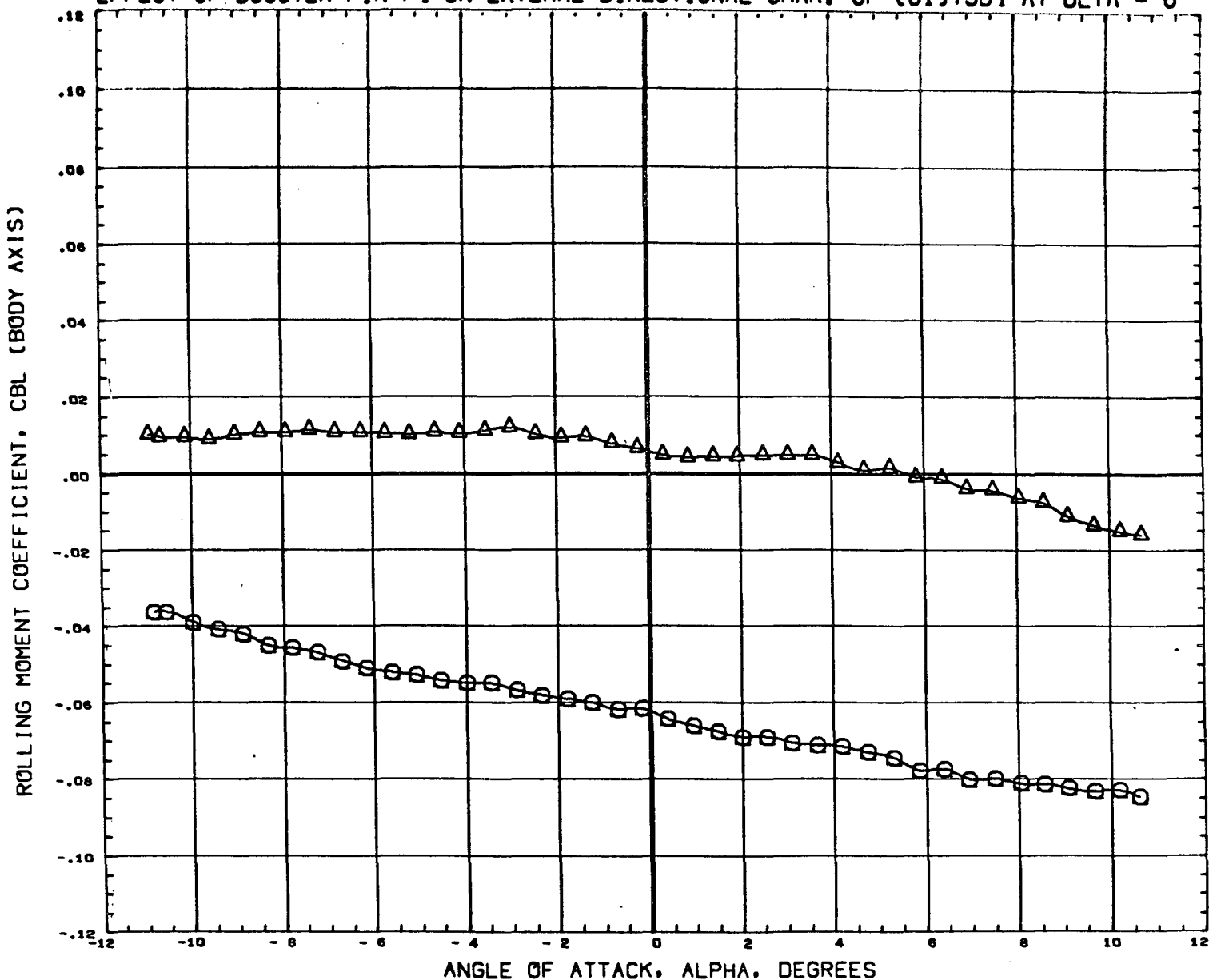
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7522) ○ MDAC S-222 COMPOSITE (T-CG) 01T3B4
(RD7527) Δ MDAC S-222 COMPOSITE (T-CG) 01T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH .89

PAGE 625

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



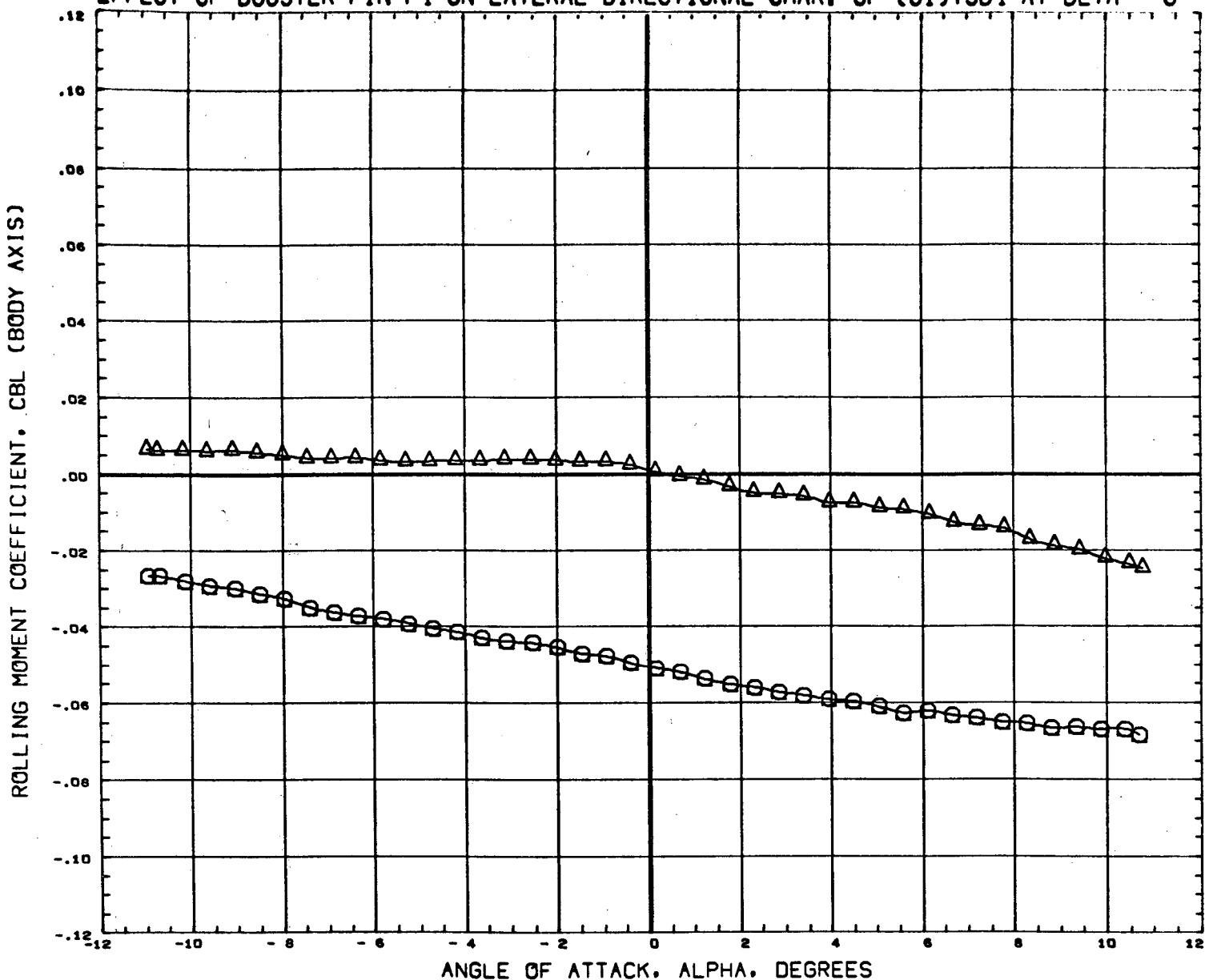
DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
(RD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 1.08

PAGE 626

EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

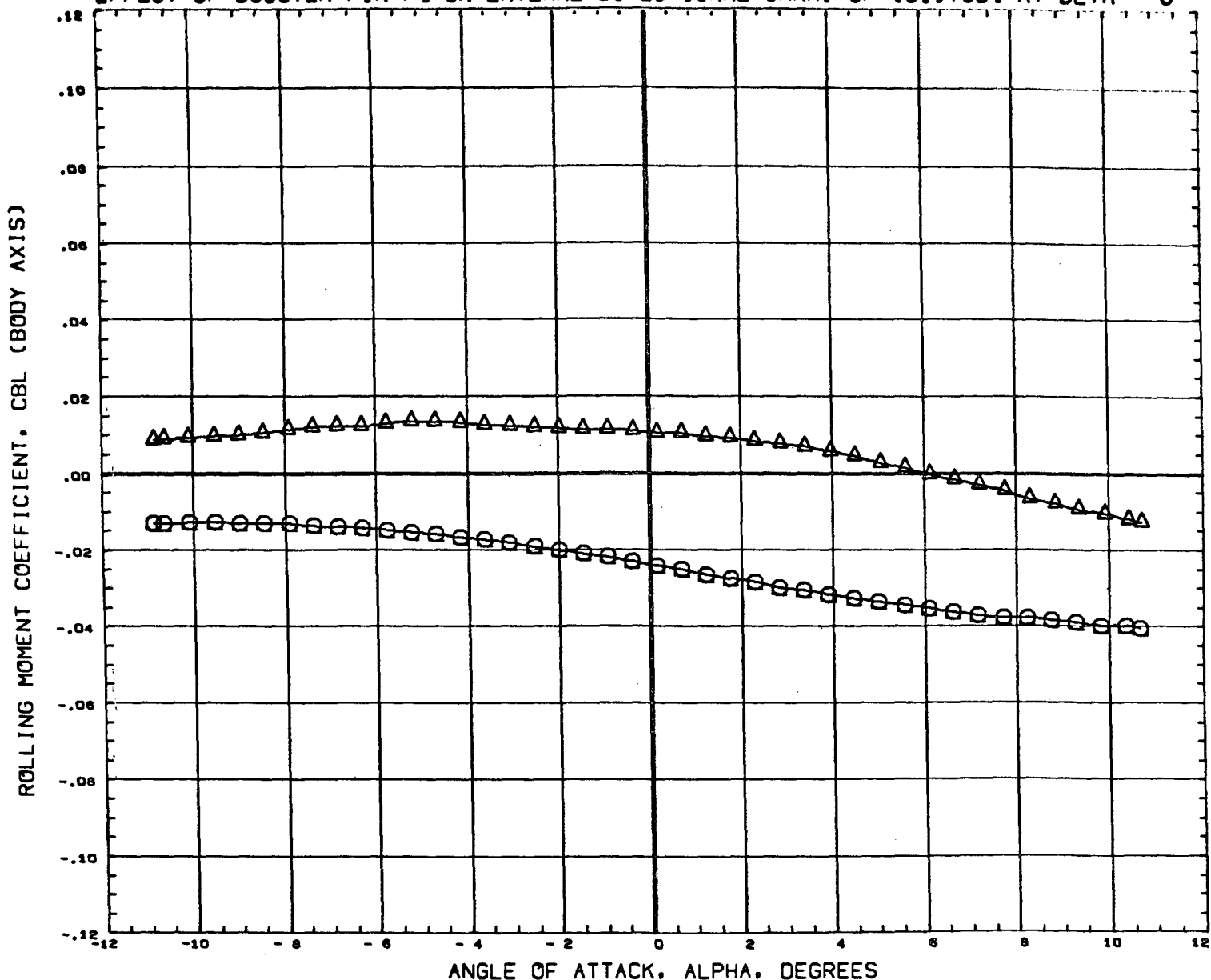


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD7522)	MDAC S-222 COMPOSITE (T-CG) 01T3B4	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD7527)	MDAC S-222 COMPOSITE (T-CG) 01T3B4F4	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	997.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.51

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EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
(RD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

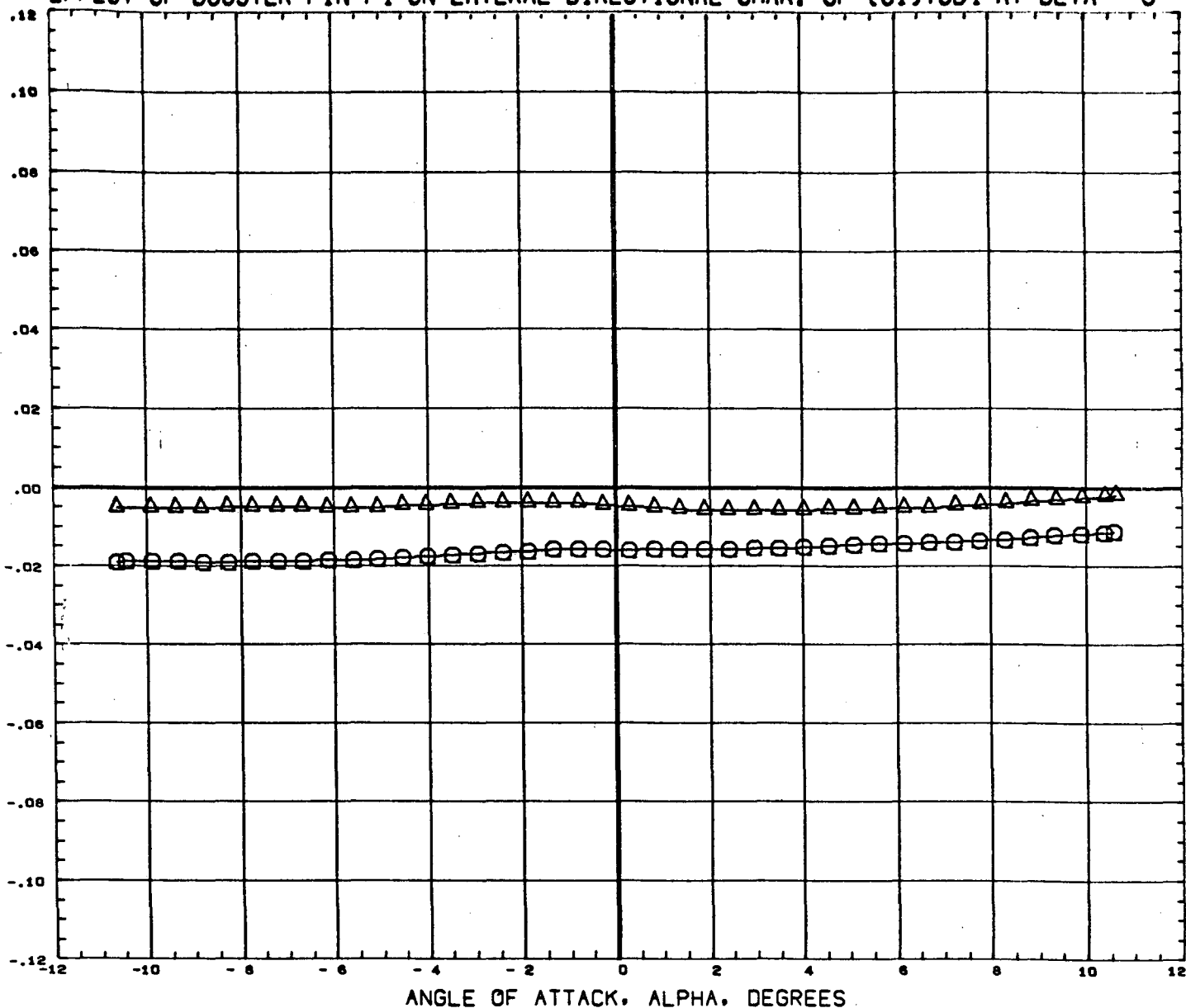
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

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EFFECT OF BOOSTER FIN F4 ON LATERAL-DIRECTIONAL CHAR. OF (01)T3B4 AT BETA = 6

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RD7522) MDAC S-222 COMPOSITE (T-CG) O1T3B4
 (RD7527) MDAC S-222 COMPOSITE (T-CG) O1T3B4F4

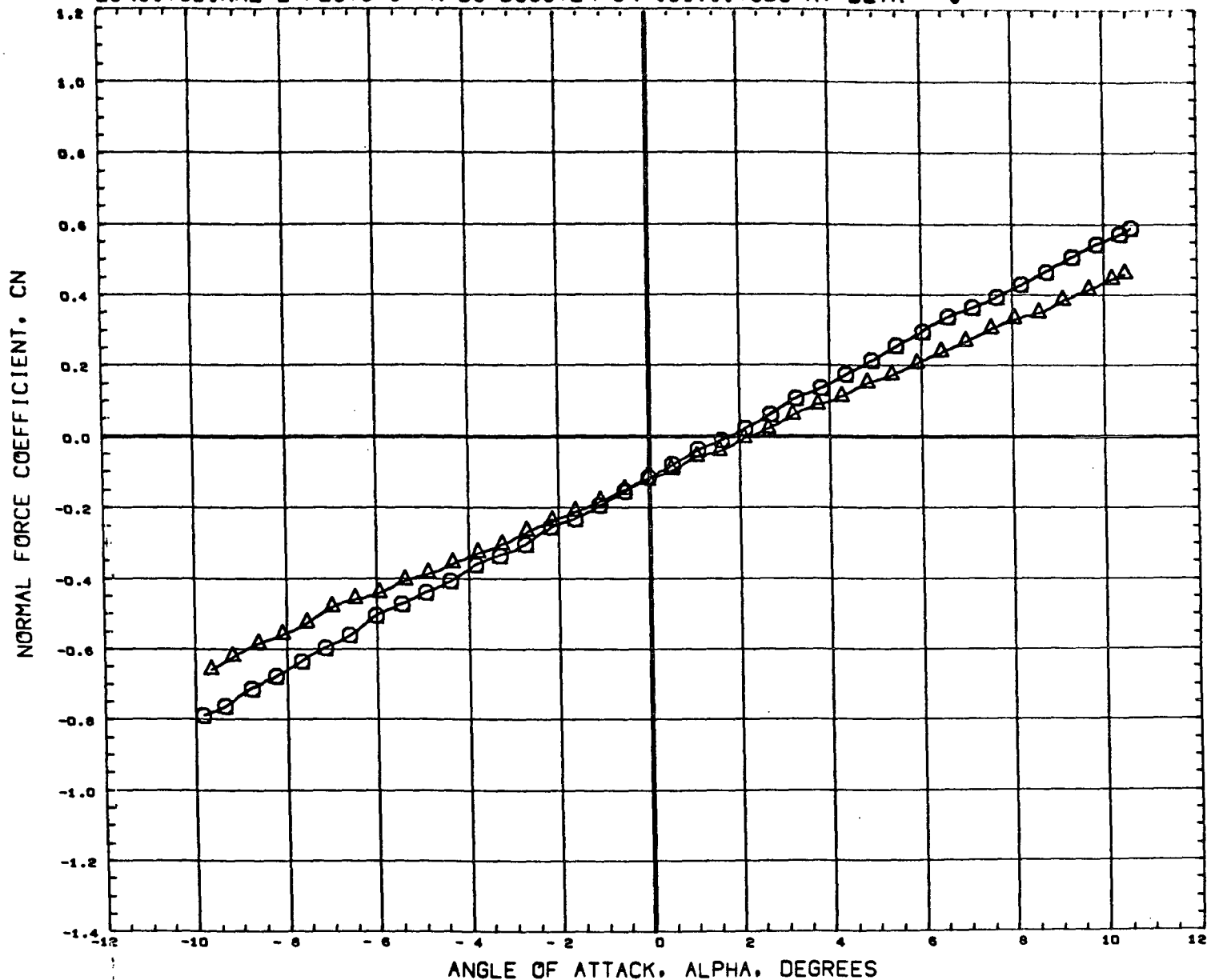
BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
6.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 4.47

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C.9

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

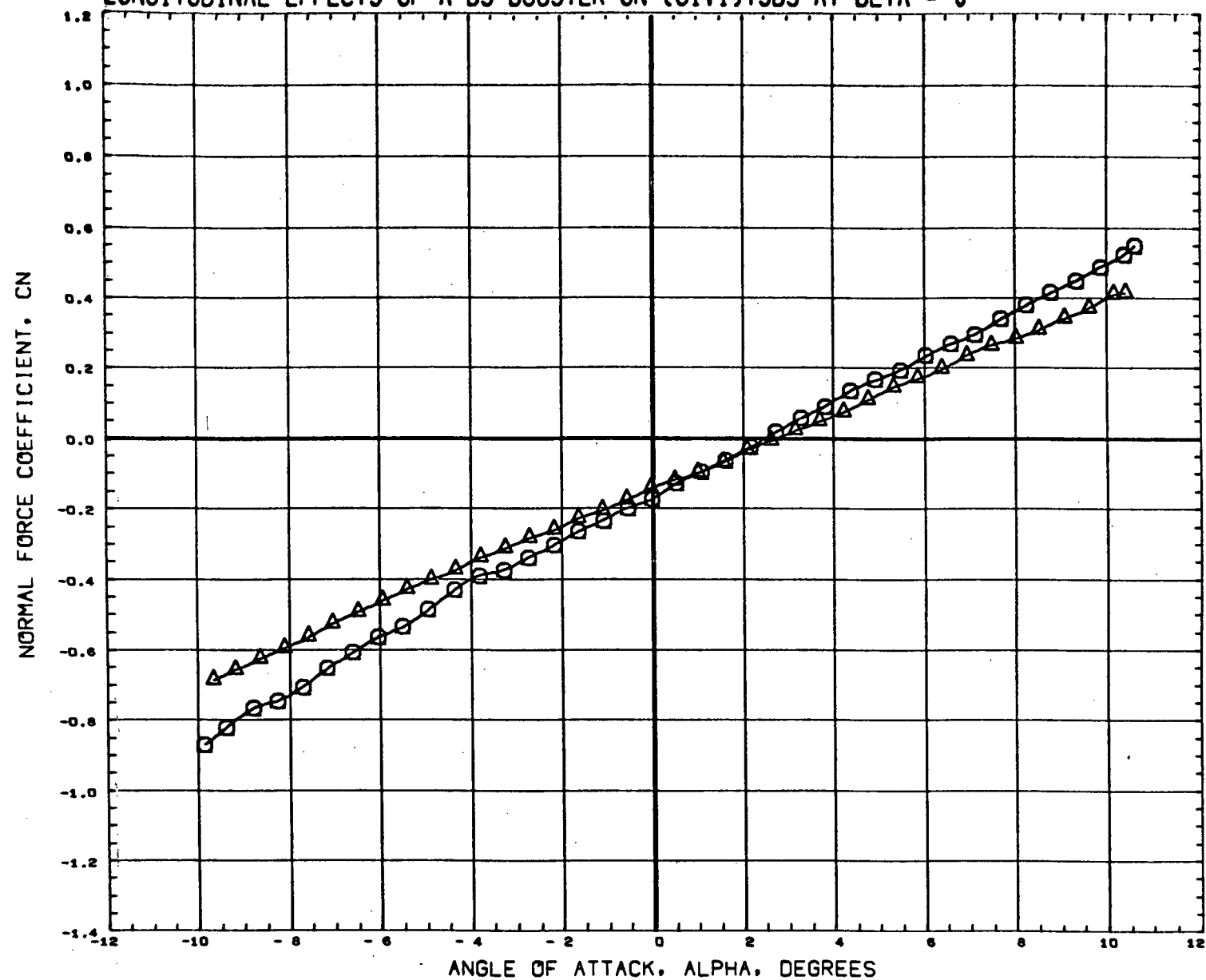


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						YMRP	557.0004 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

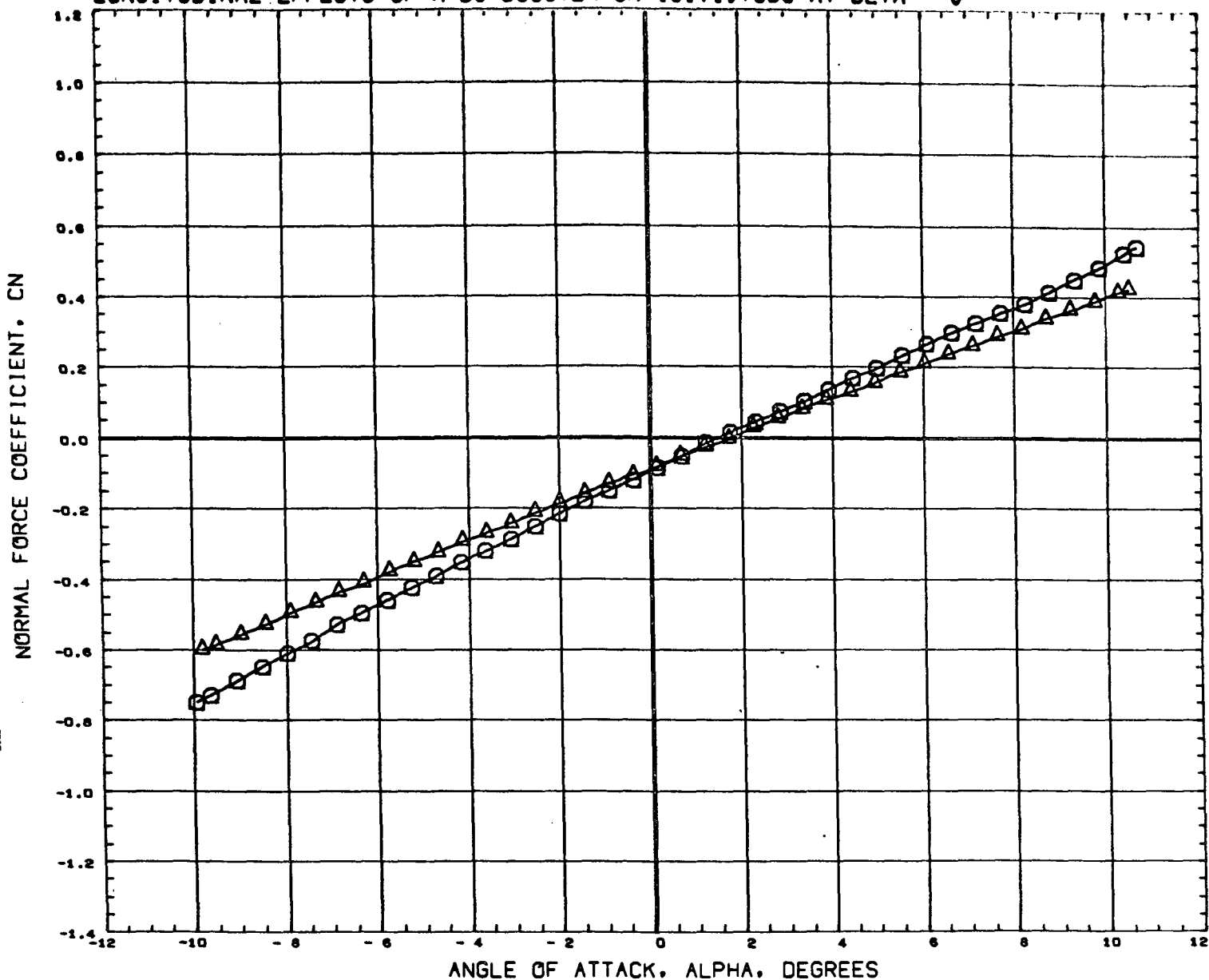


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

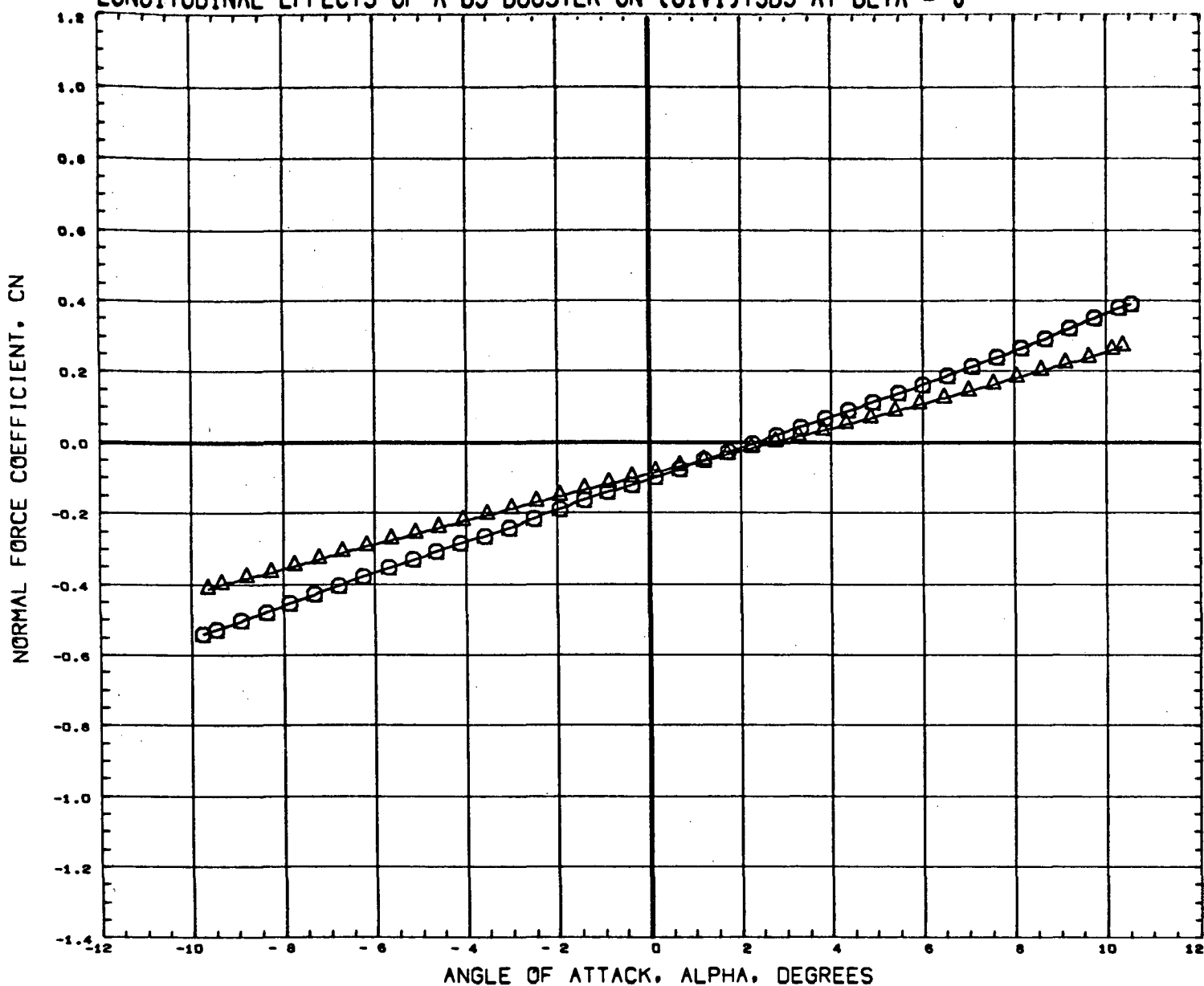


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



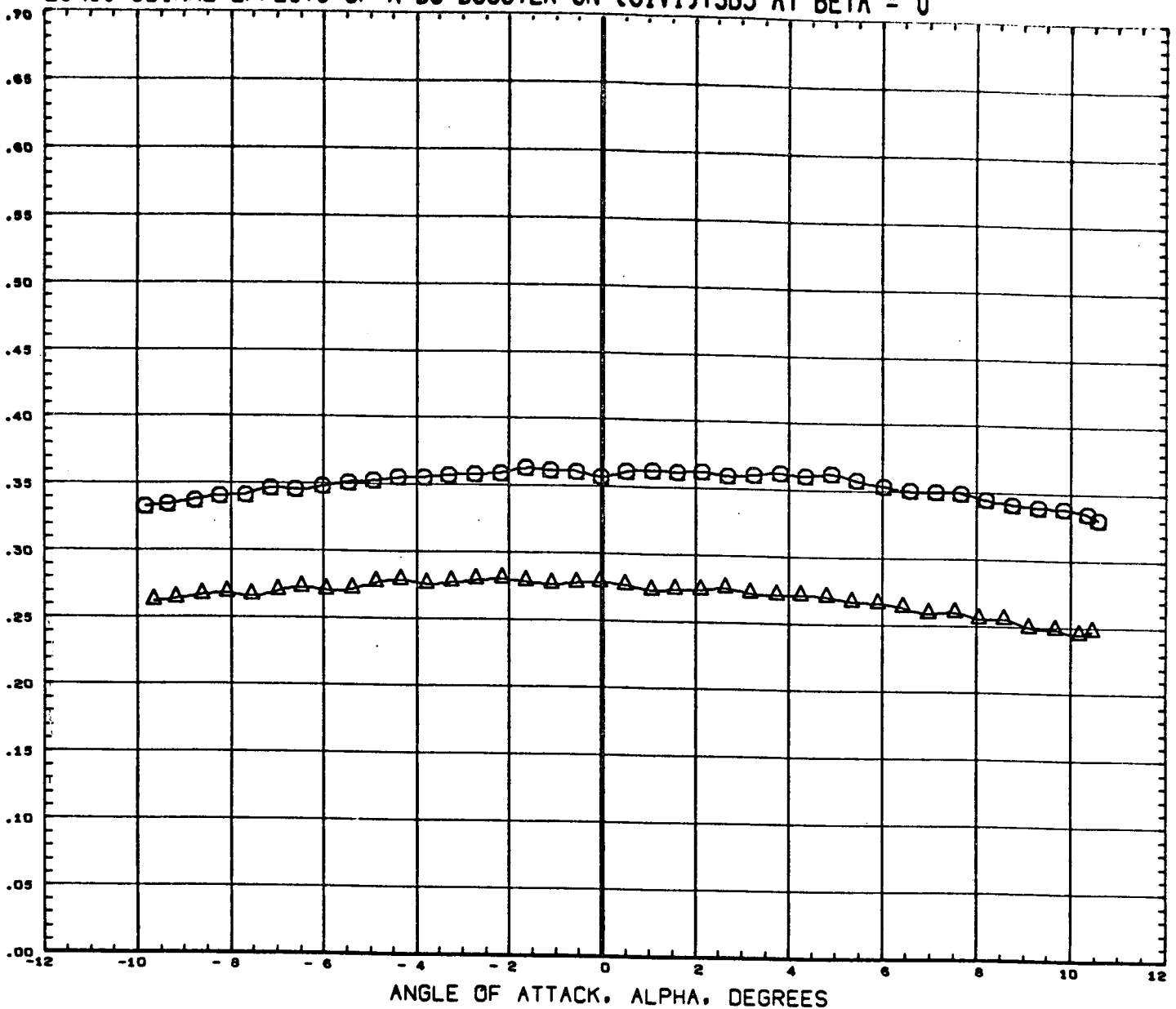
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA



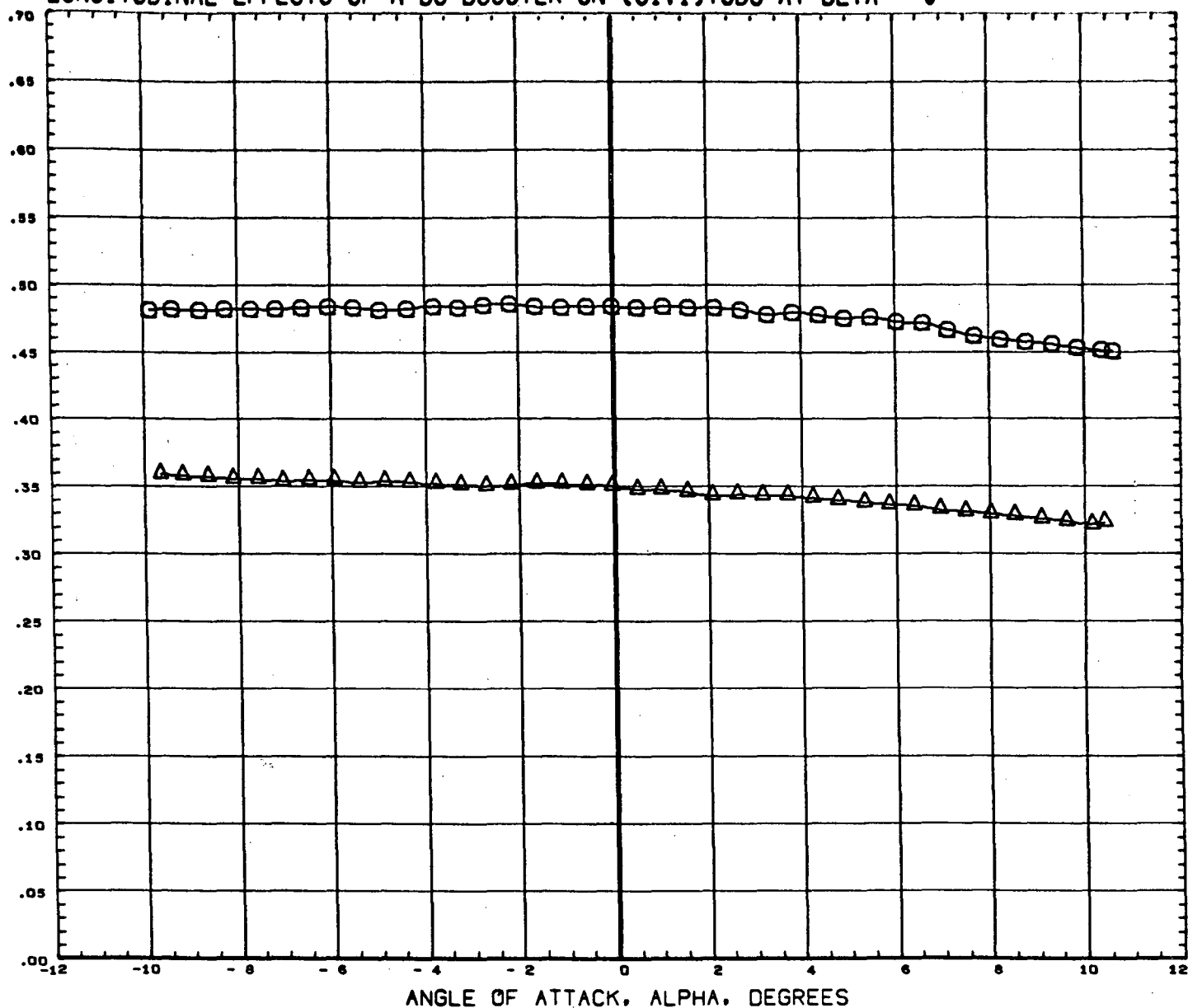
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 634

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA

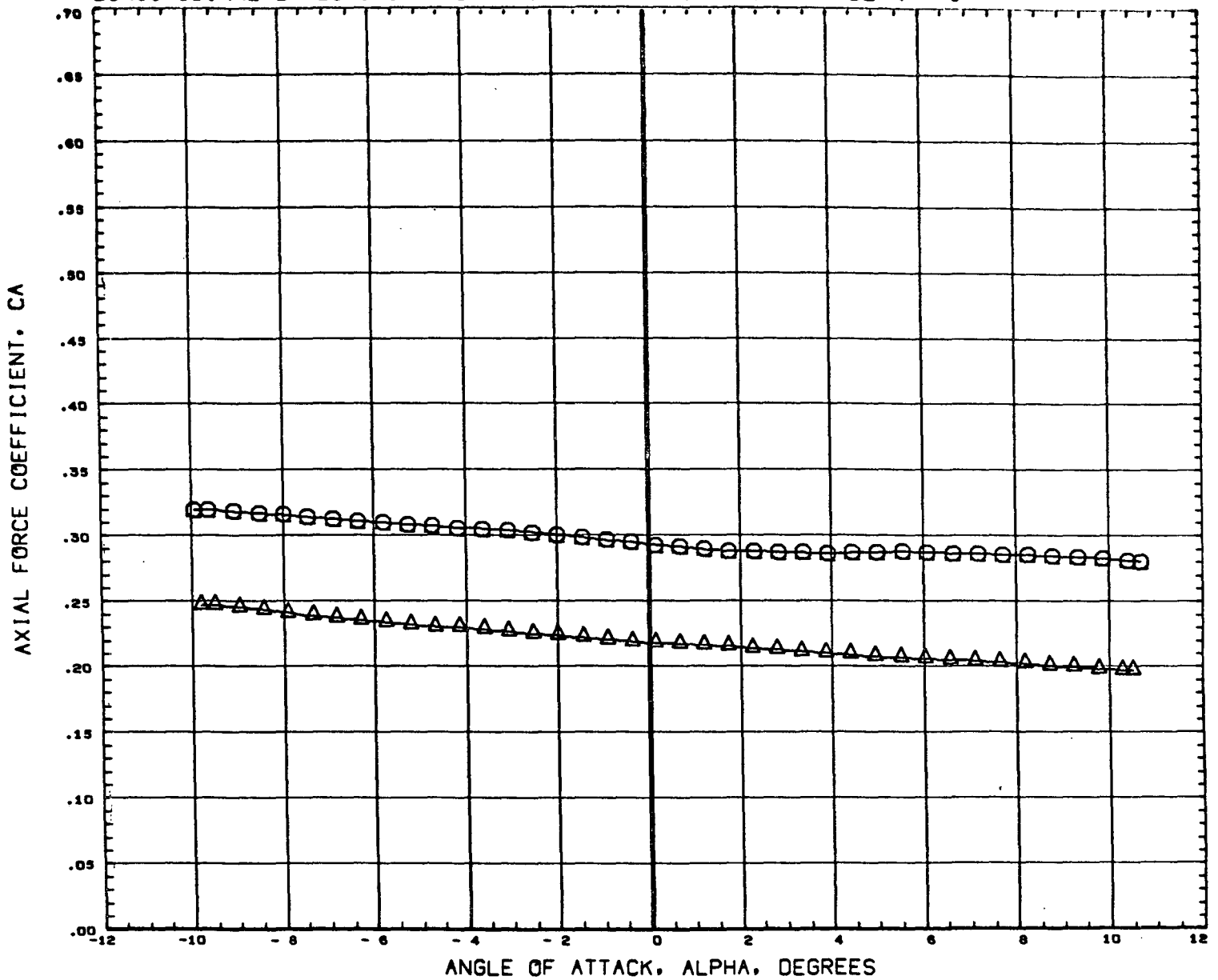


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH: 1.09

PAGE 635

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

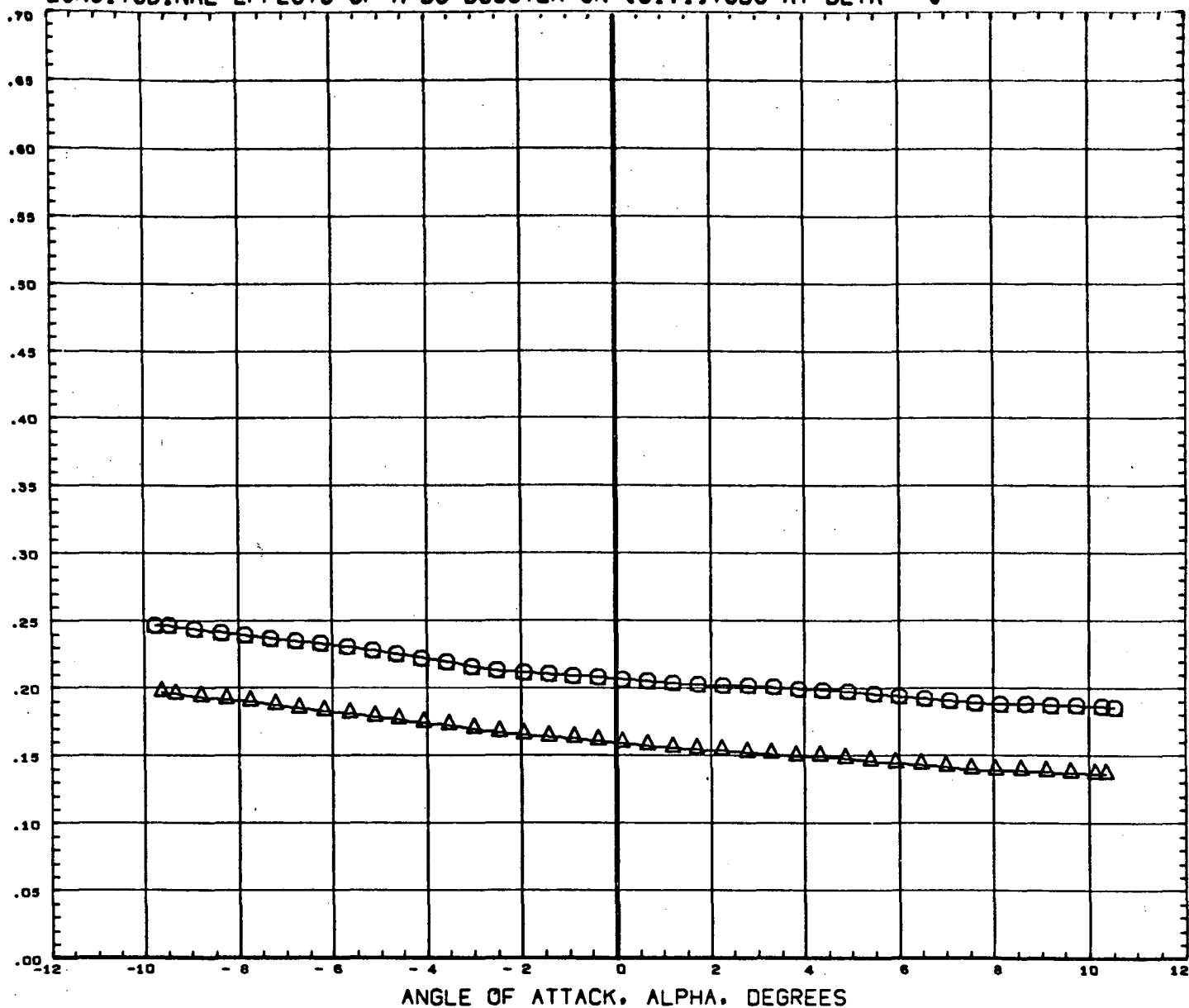
MACH

2.20

PAGE 636

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

AXIAL FORCE COEFFICIENT, CA

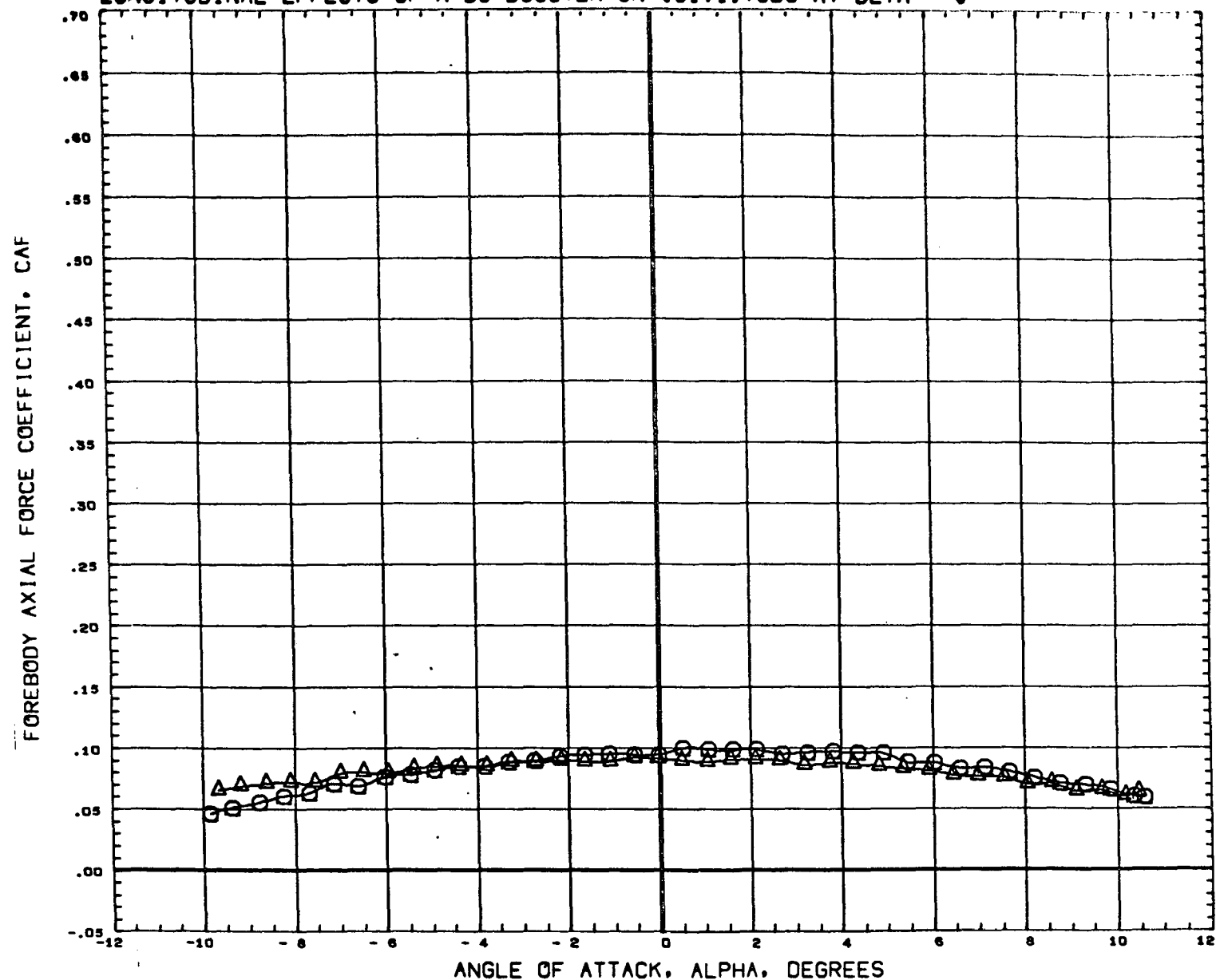


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 637

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

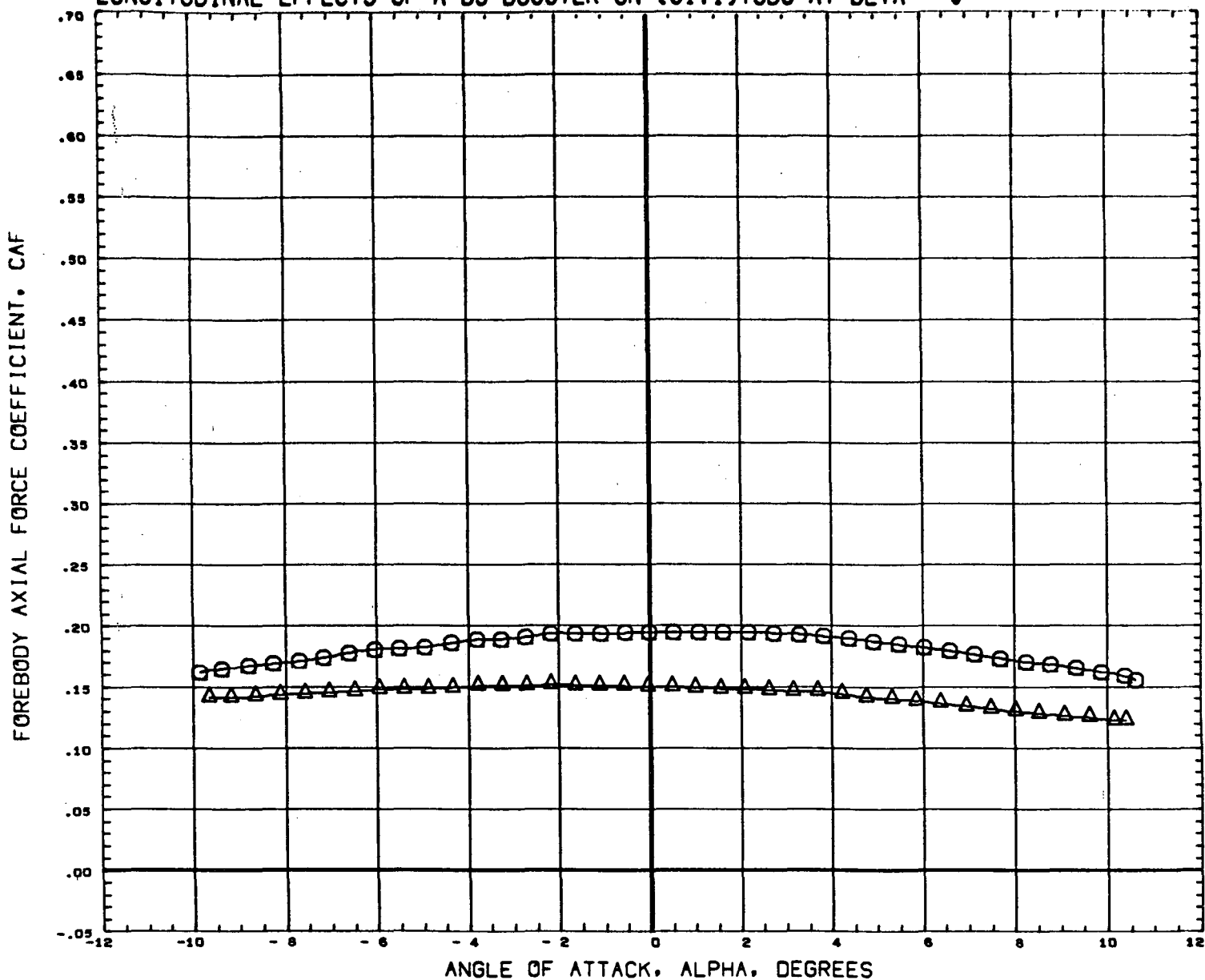


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 638

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



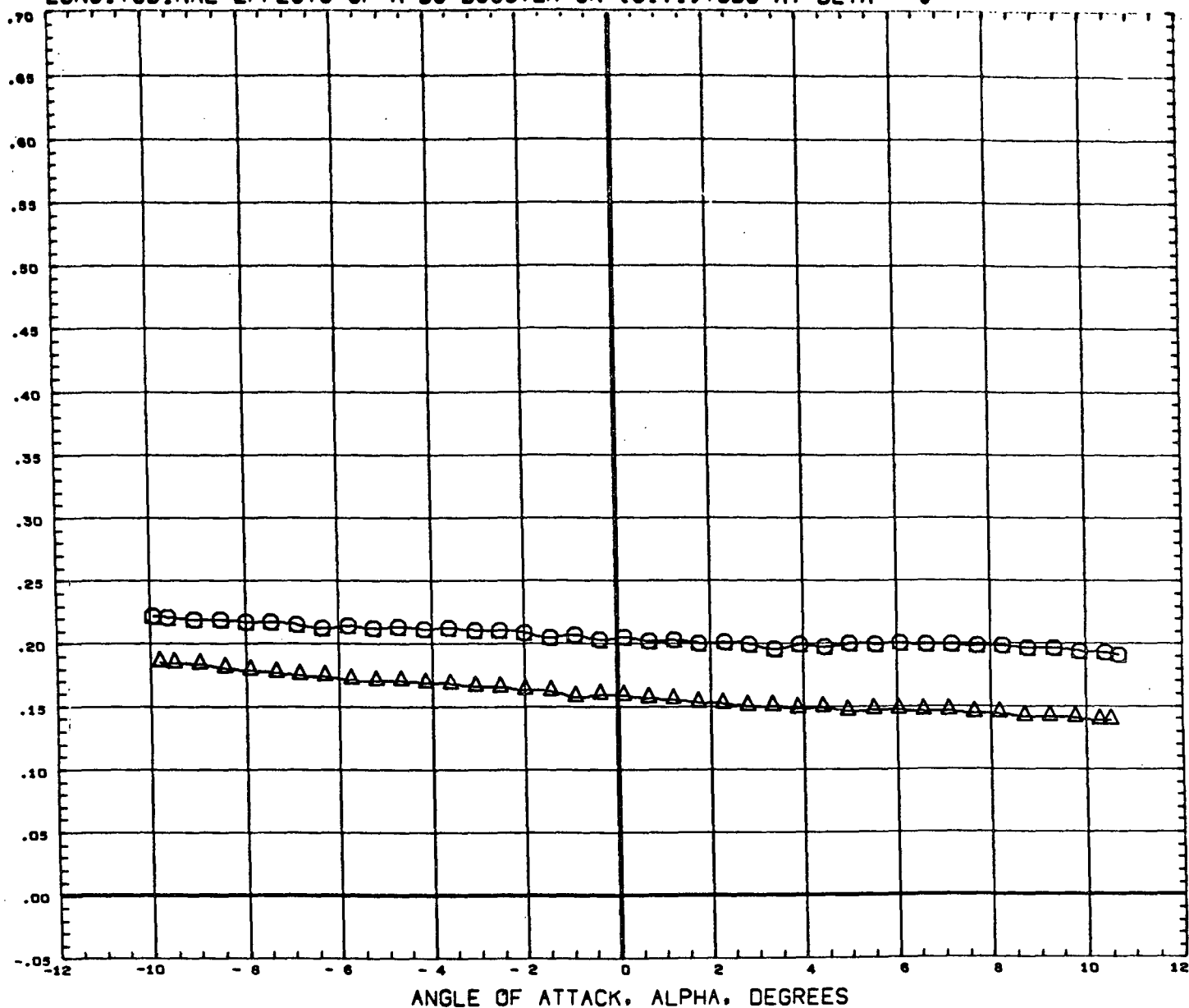
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMHP	557.0004 IN.
						YMHP	0.0000 IN.
						ZMHP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 639

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, CAF



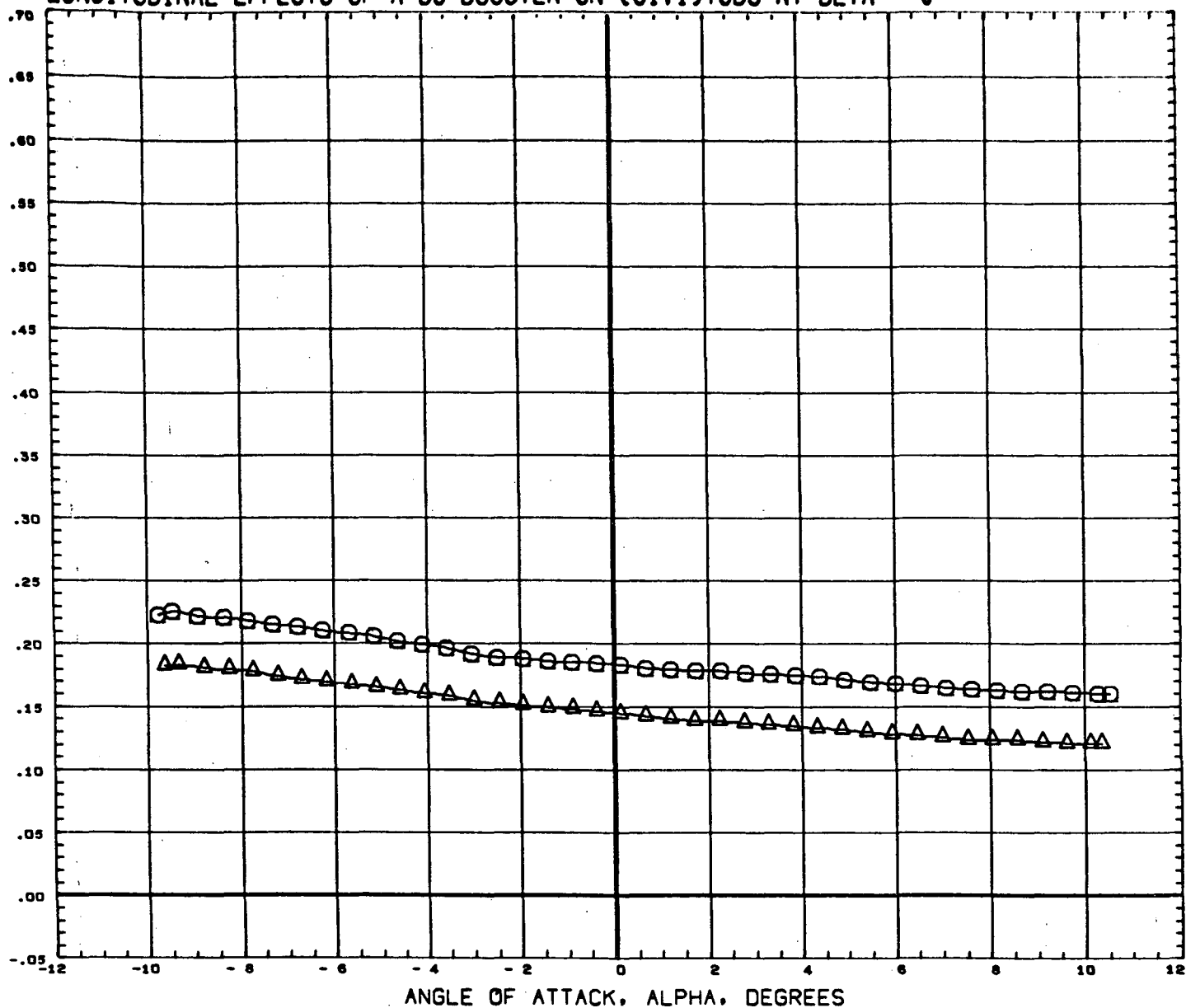
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

FOREBODY AXIAL FORCE COEFFICIENT, C_{AF}

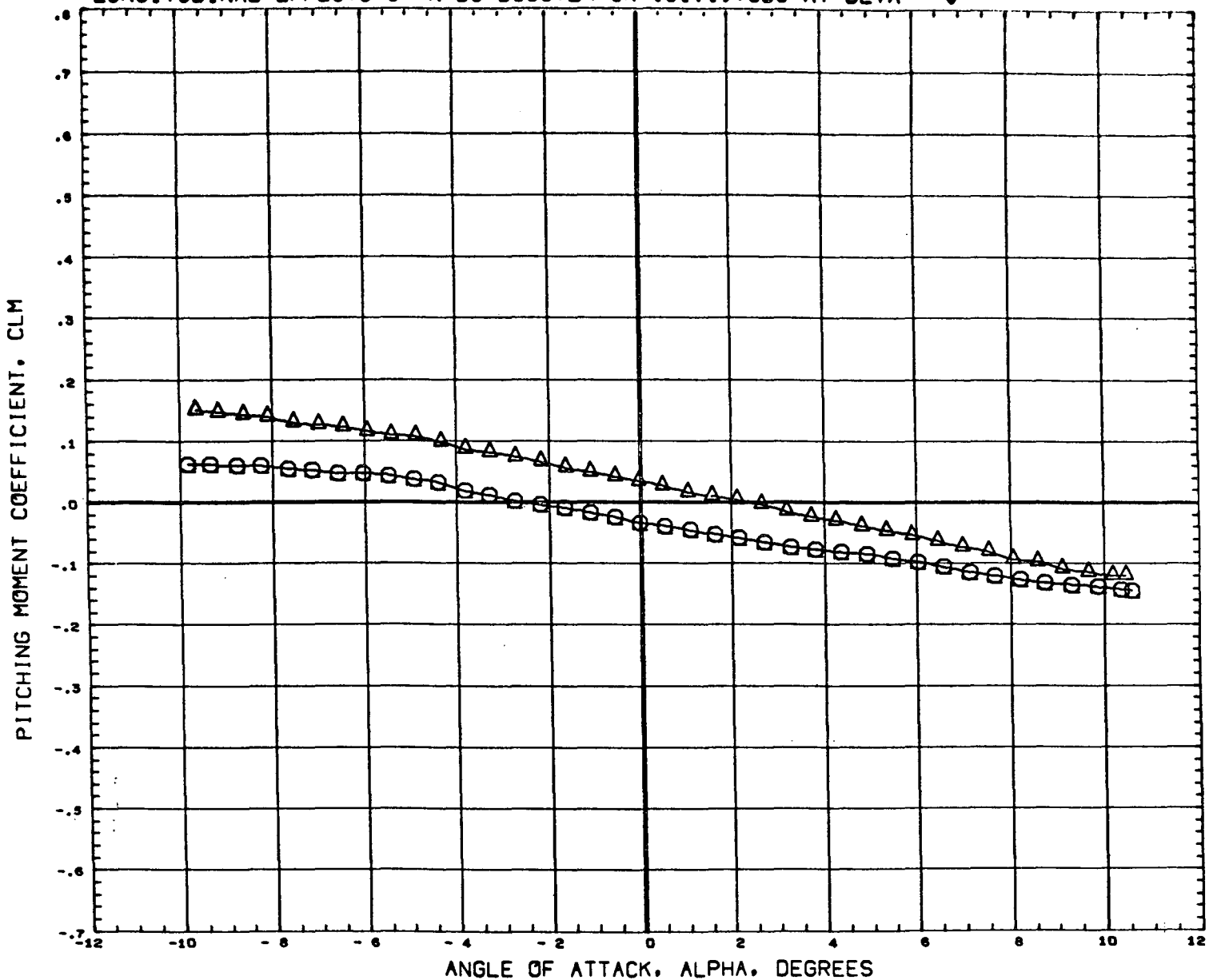


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

PAGE 641

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0



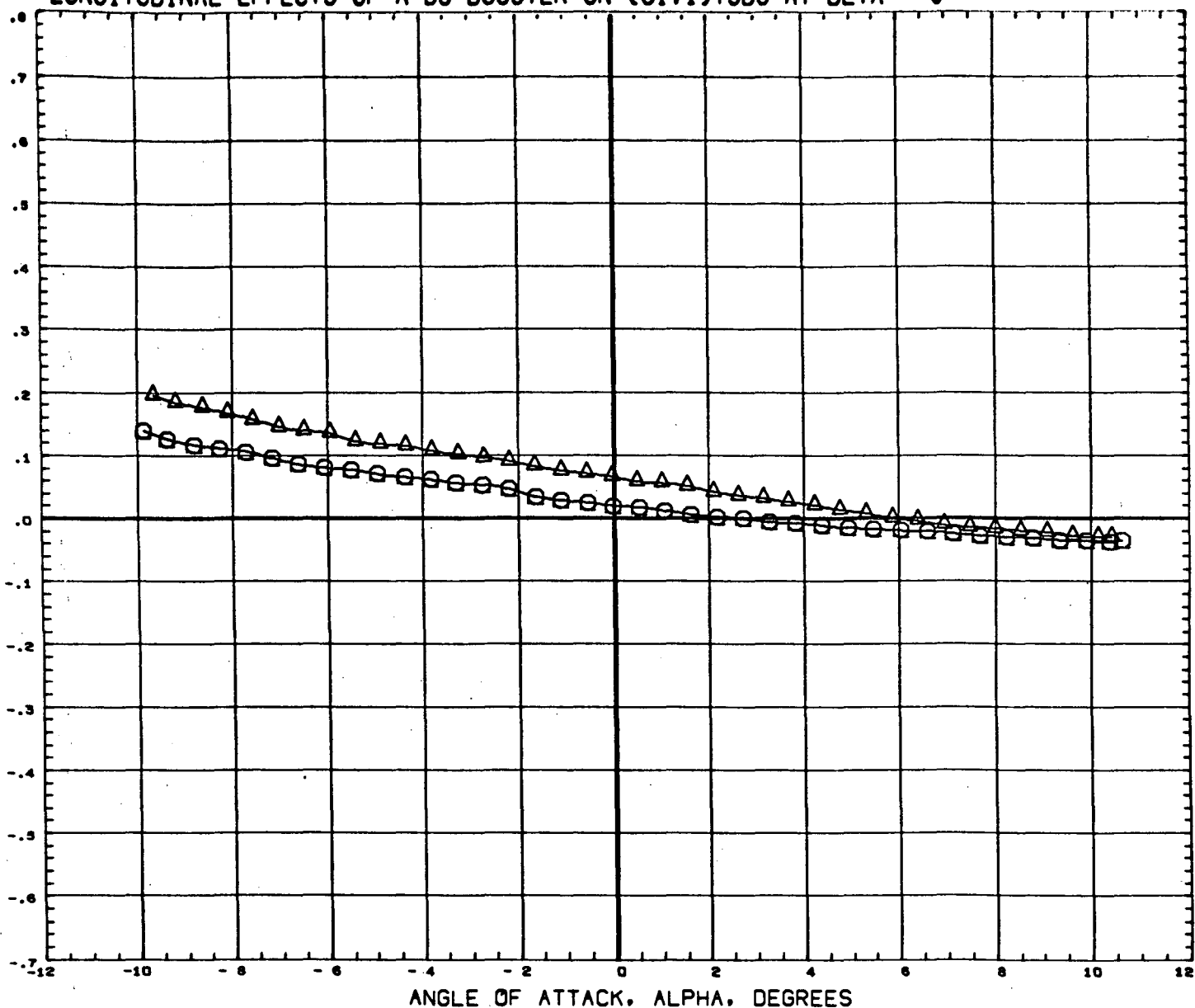
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 642

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM

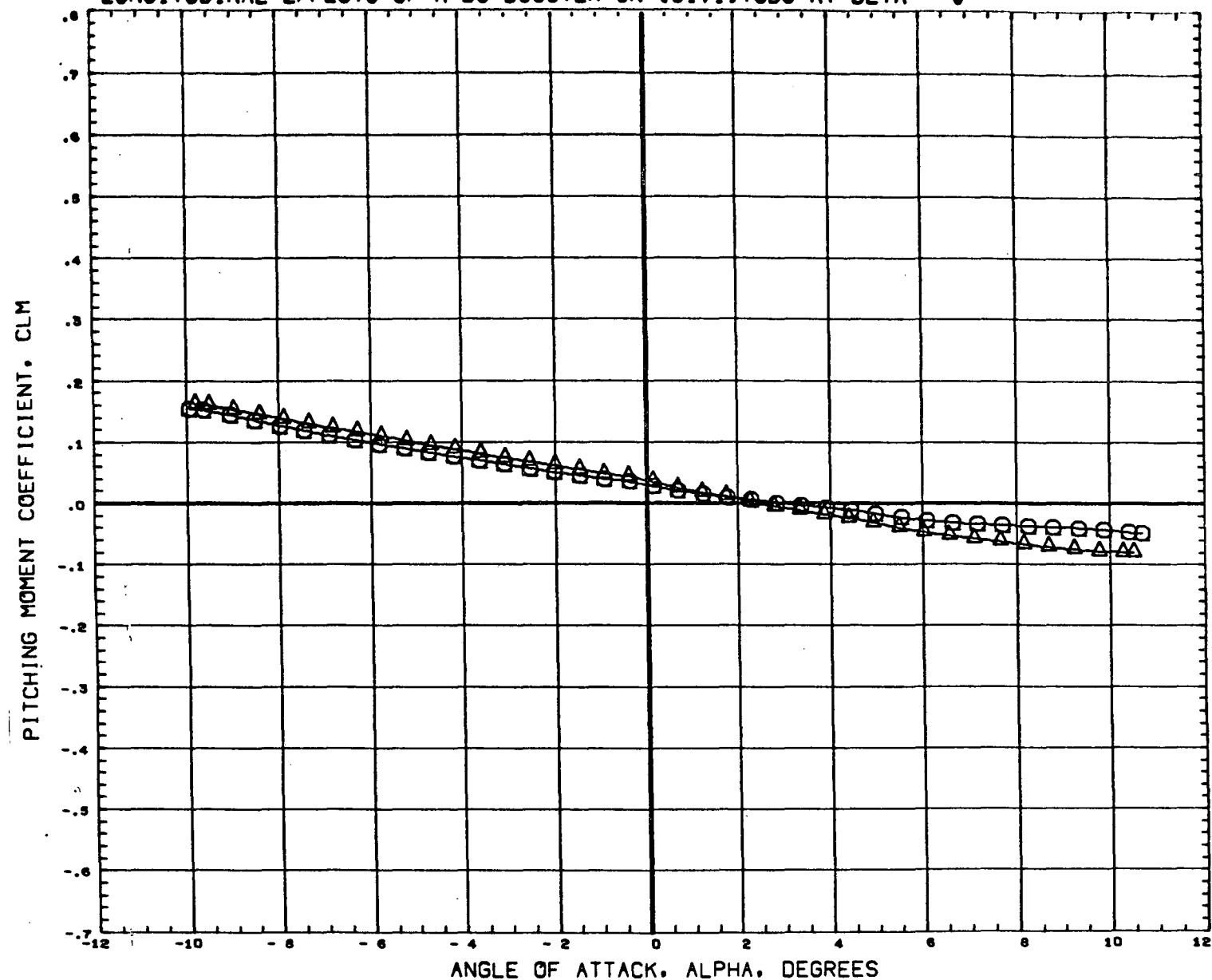


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DD74A5) (O) MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5
 (CD74A8) (A) MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)

BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

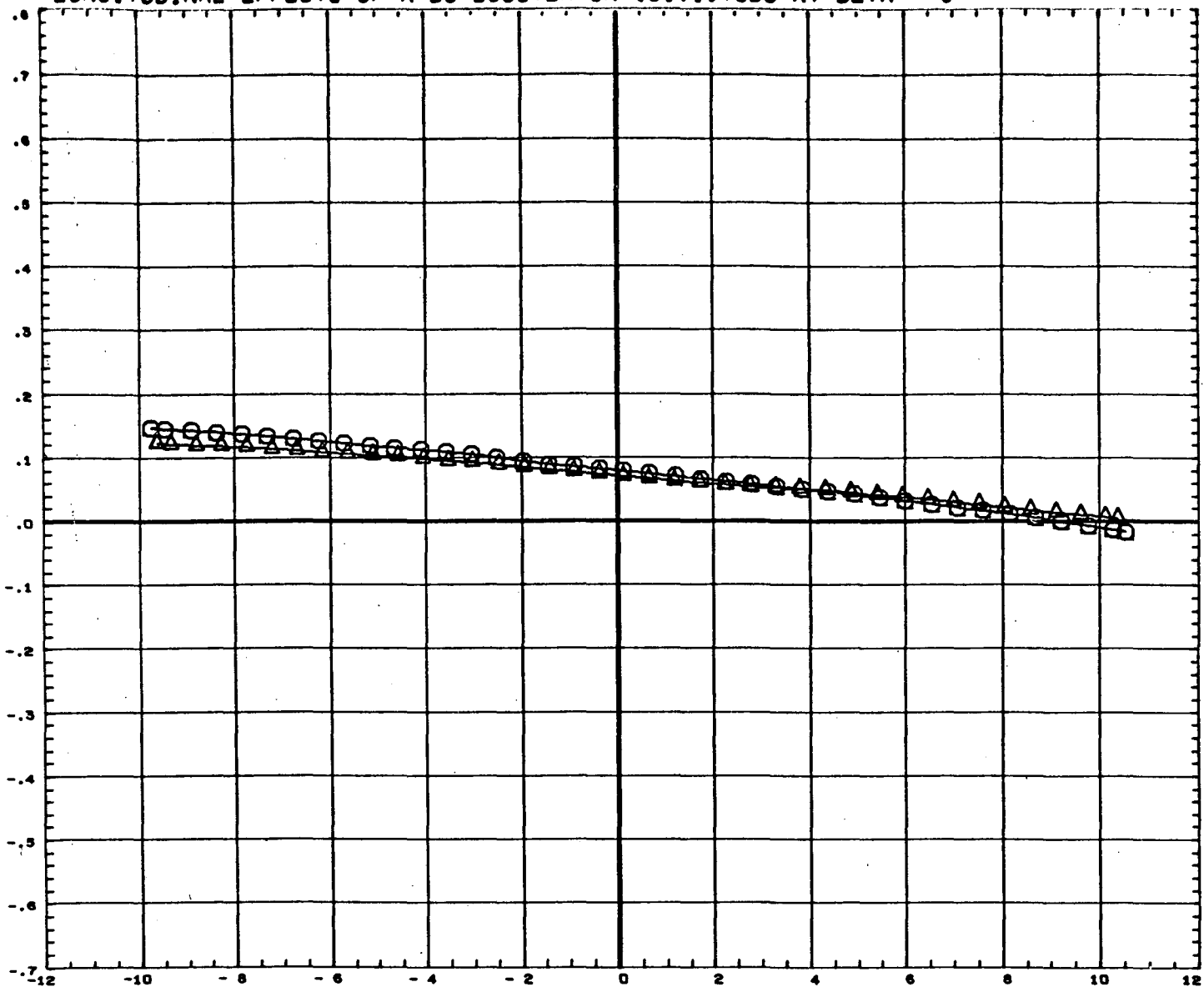
REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRR 557.0004 IN.
 YMRR 0.0000 IN.
 ZMRR 200.0004 IN.
 SCALE 0.0060

MACH 2.20

PAGE 644

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

PITCHING MOMENT COEFFICIENT, CLM



ANGLE OF ATTACK, ALPHA, DEGREES

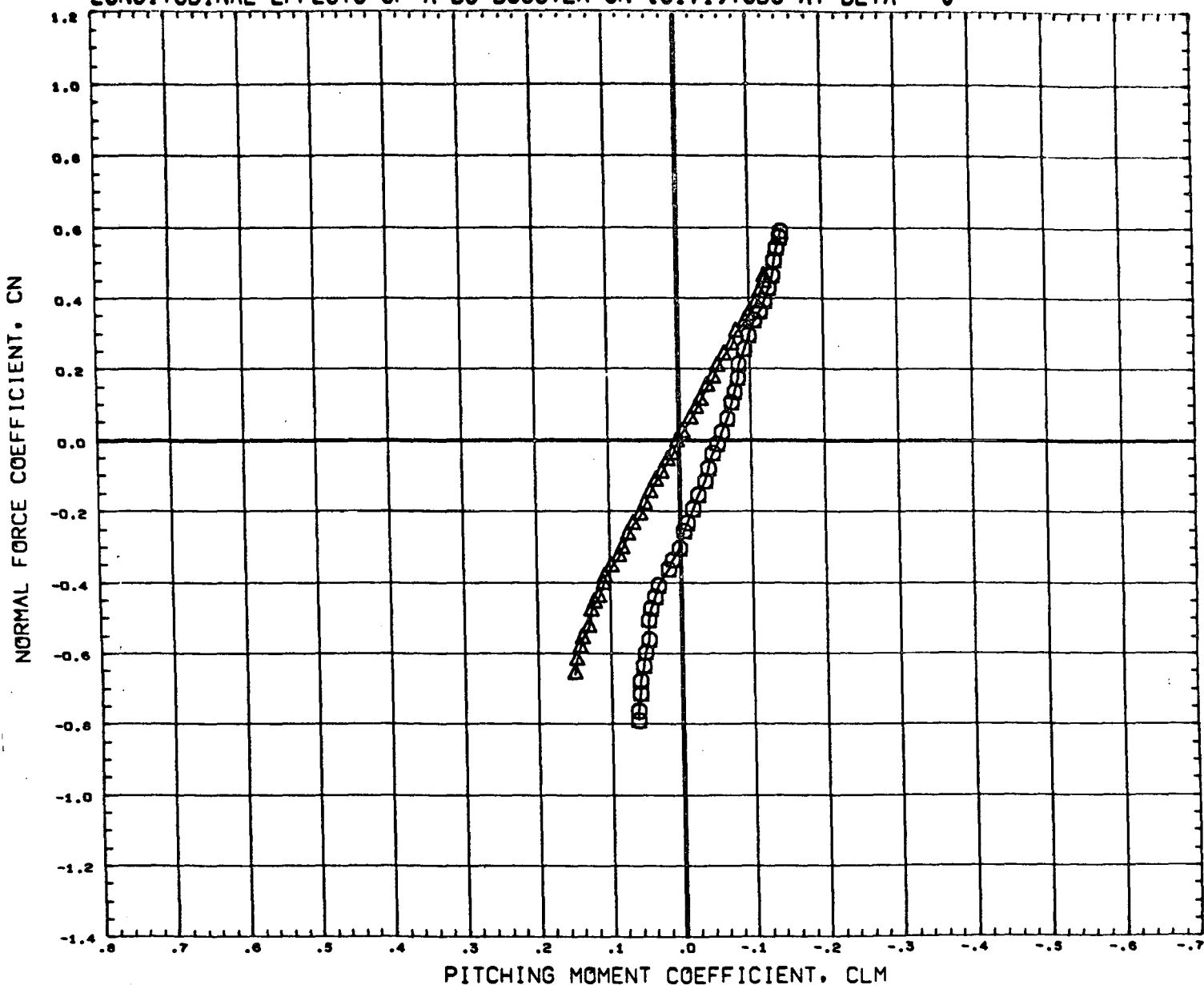
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH

4.47

PAGE 645

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

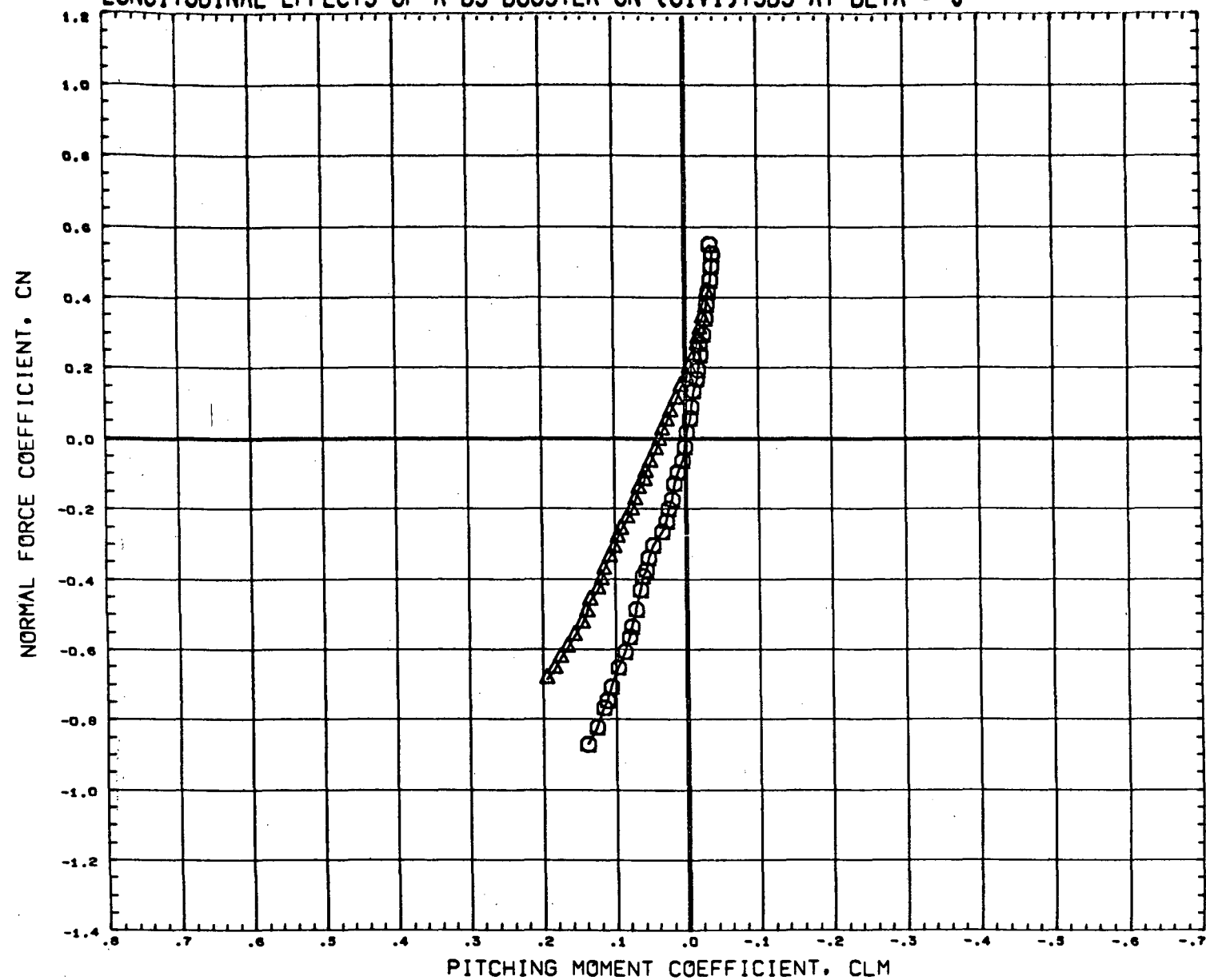


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 646

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

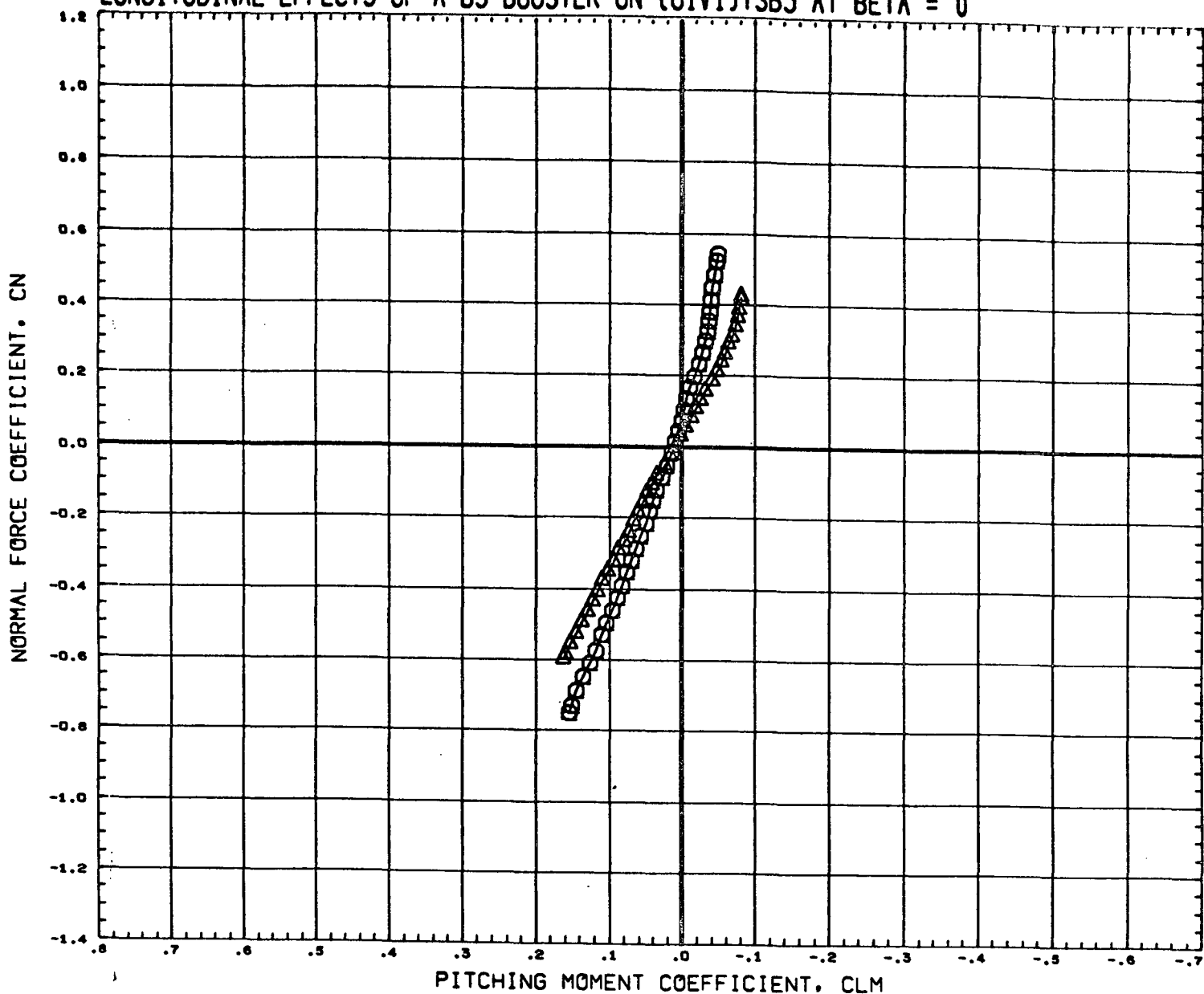


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	537.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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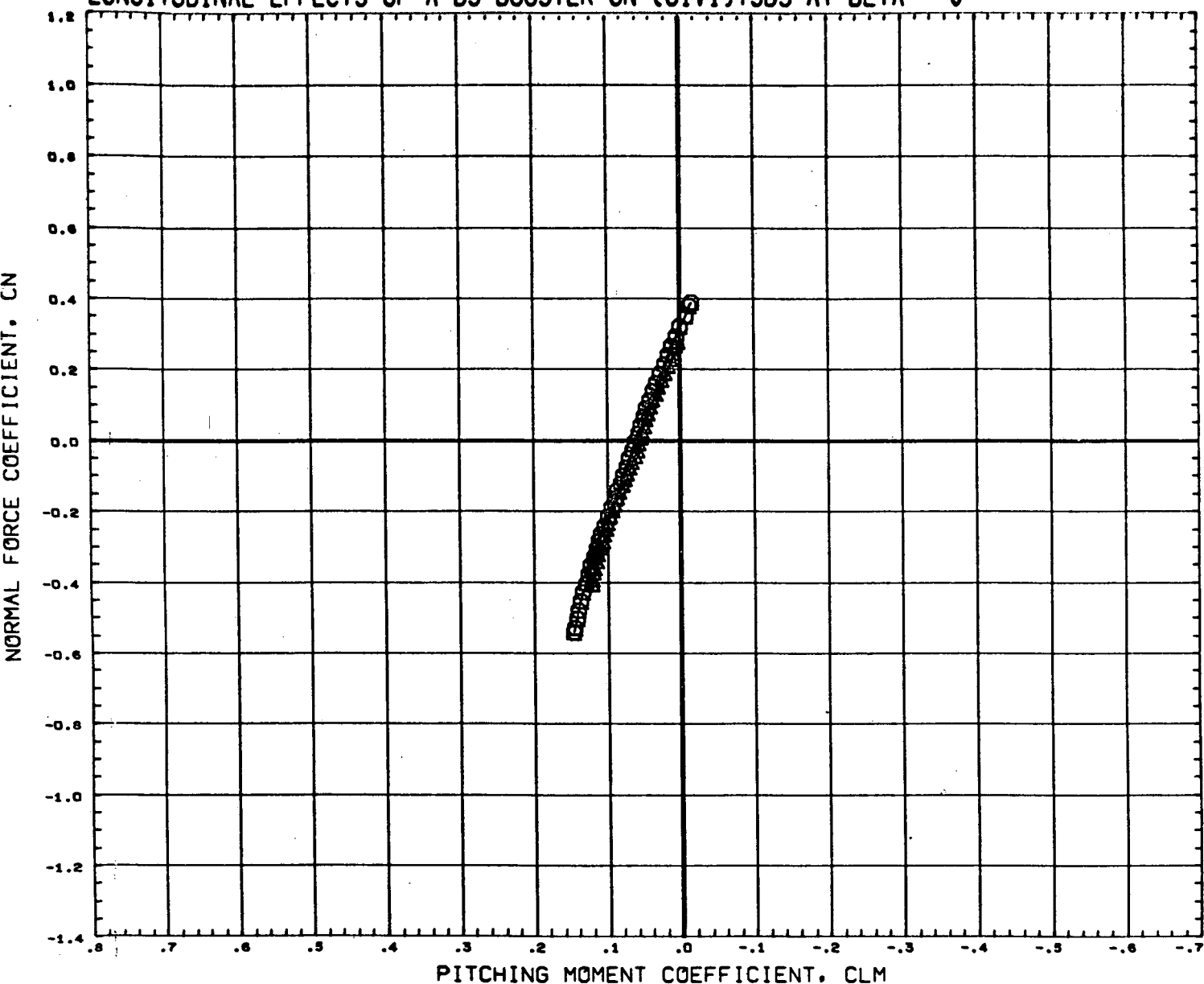
LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

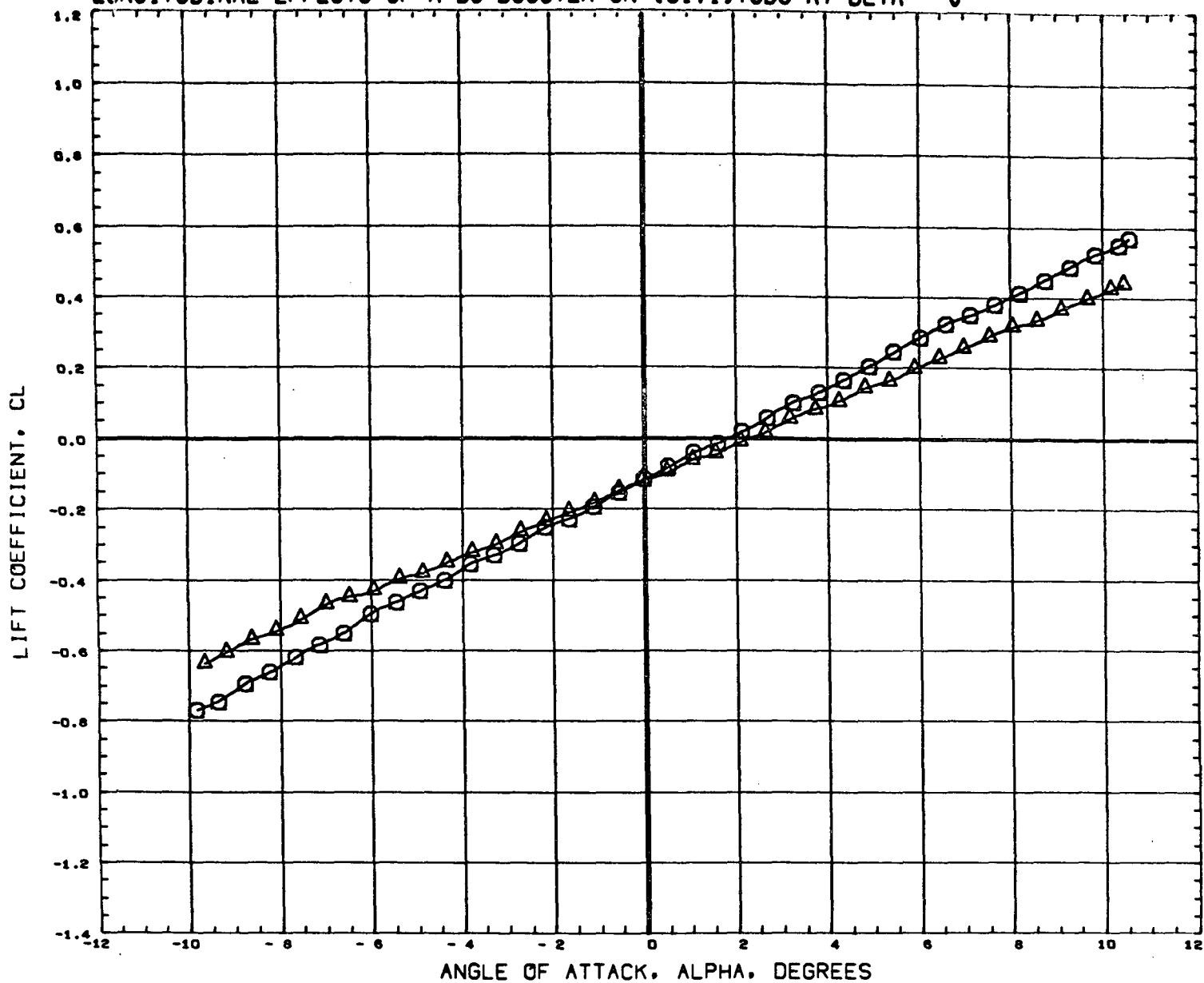


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DD74A5) (O) MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5
 (CD74A8) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)

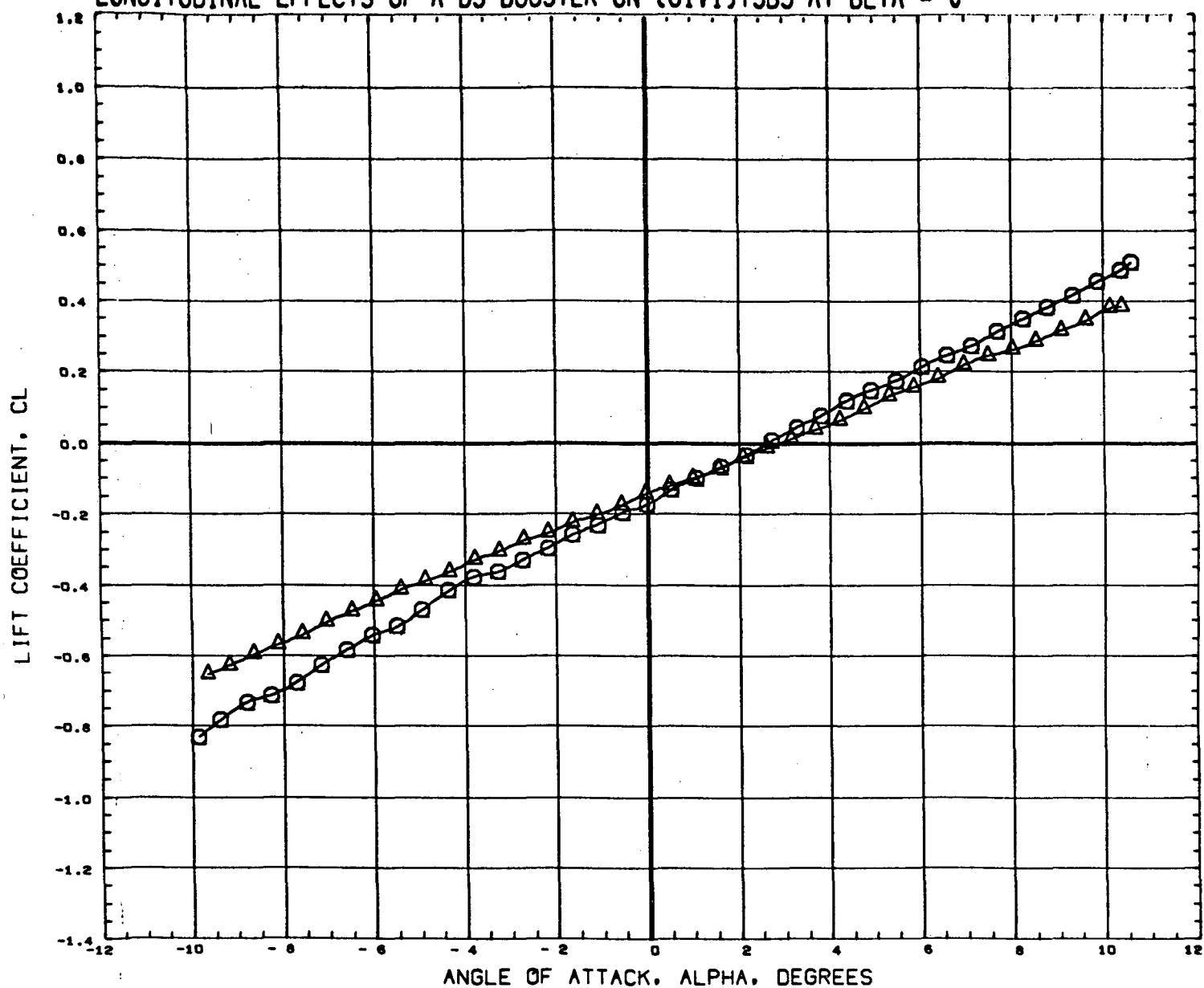
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.5004 IN.
 BREF 882.0004 IN.
 XMRF 557.0004 IN.
 YMRF 0.0000 IN.
 ZMRF 200.0004 IN.
 SCALE 0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

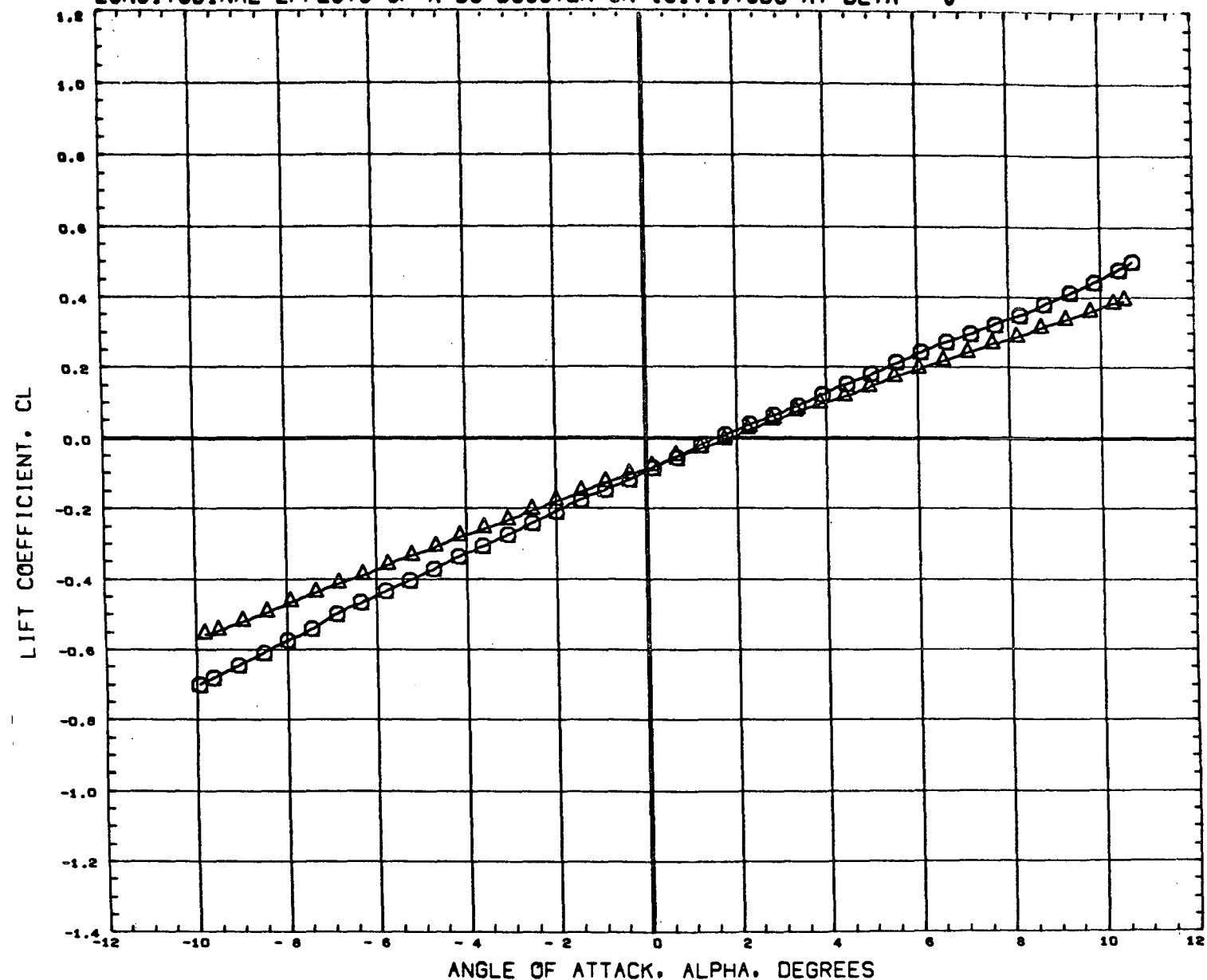


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

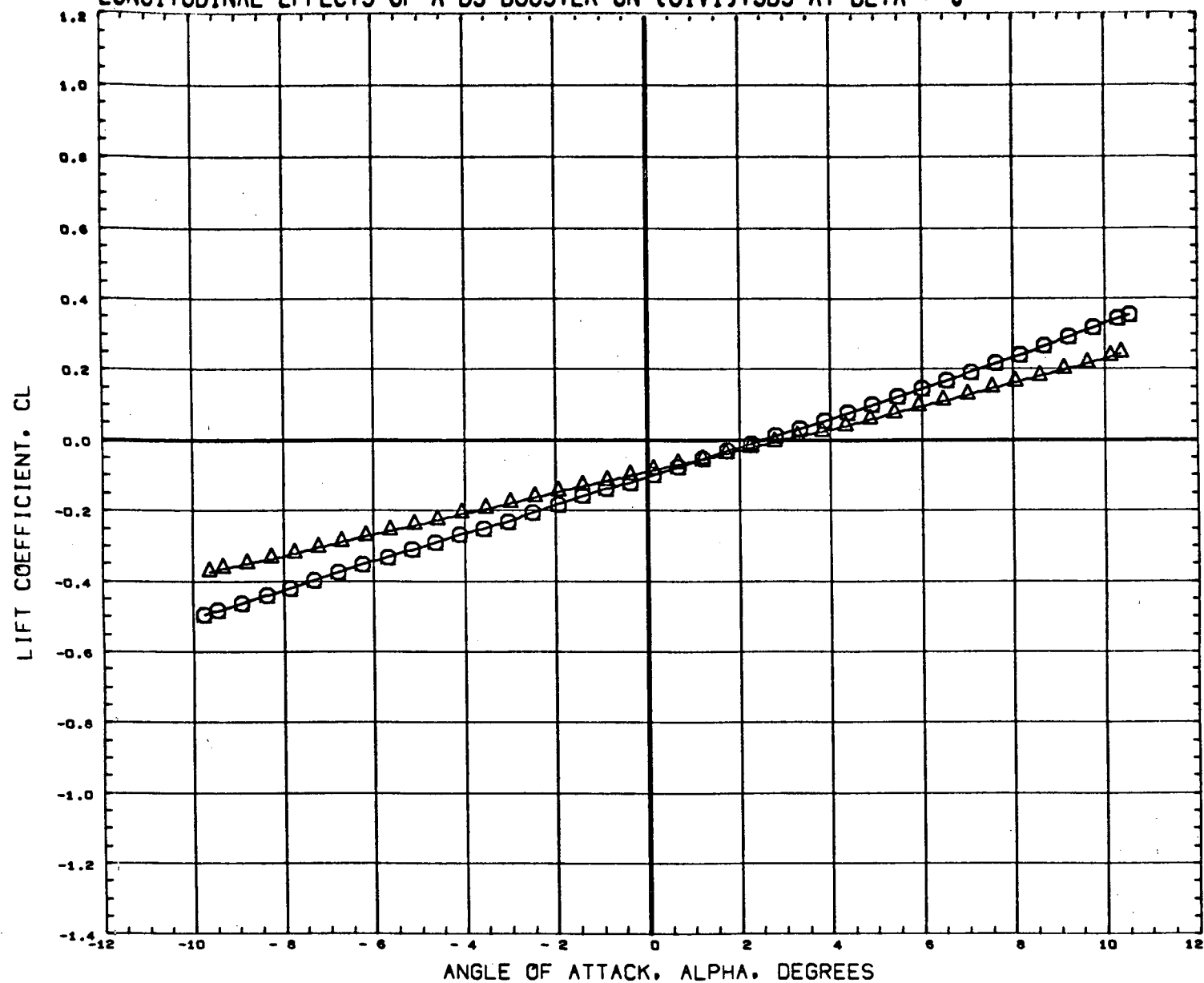


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



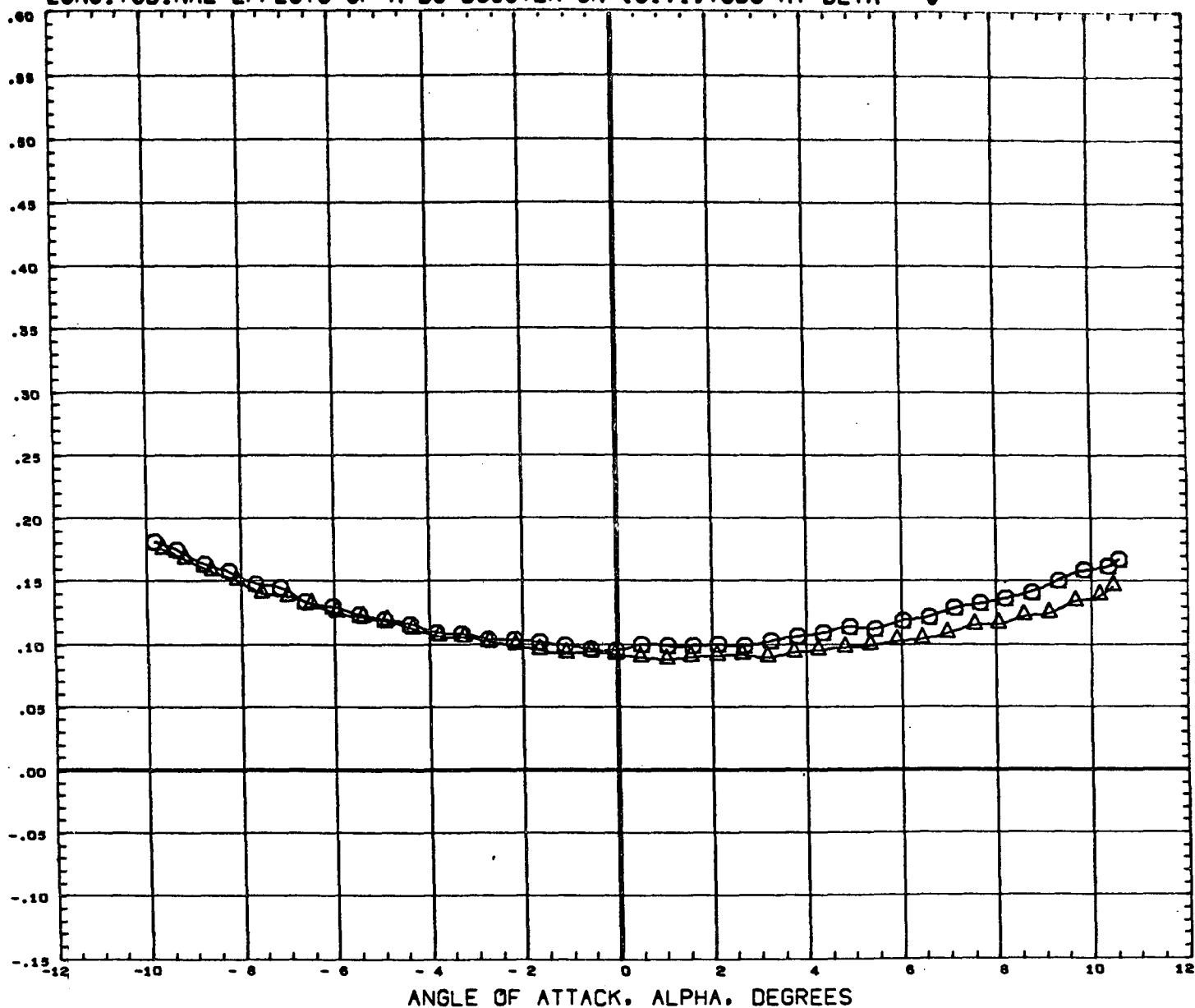
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

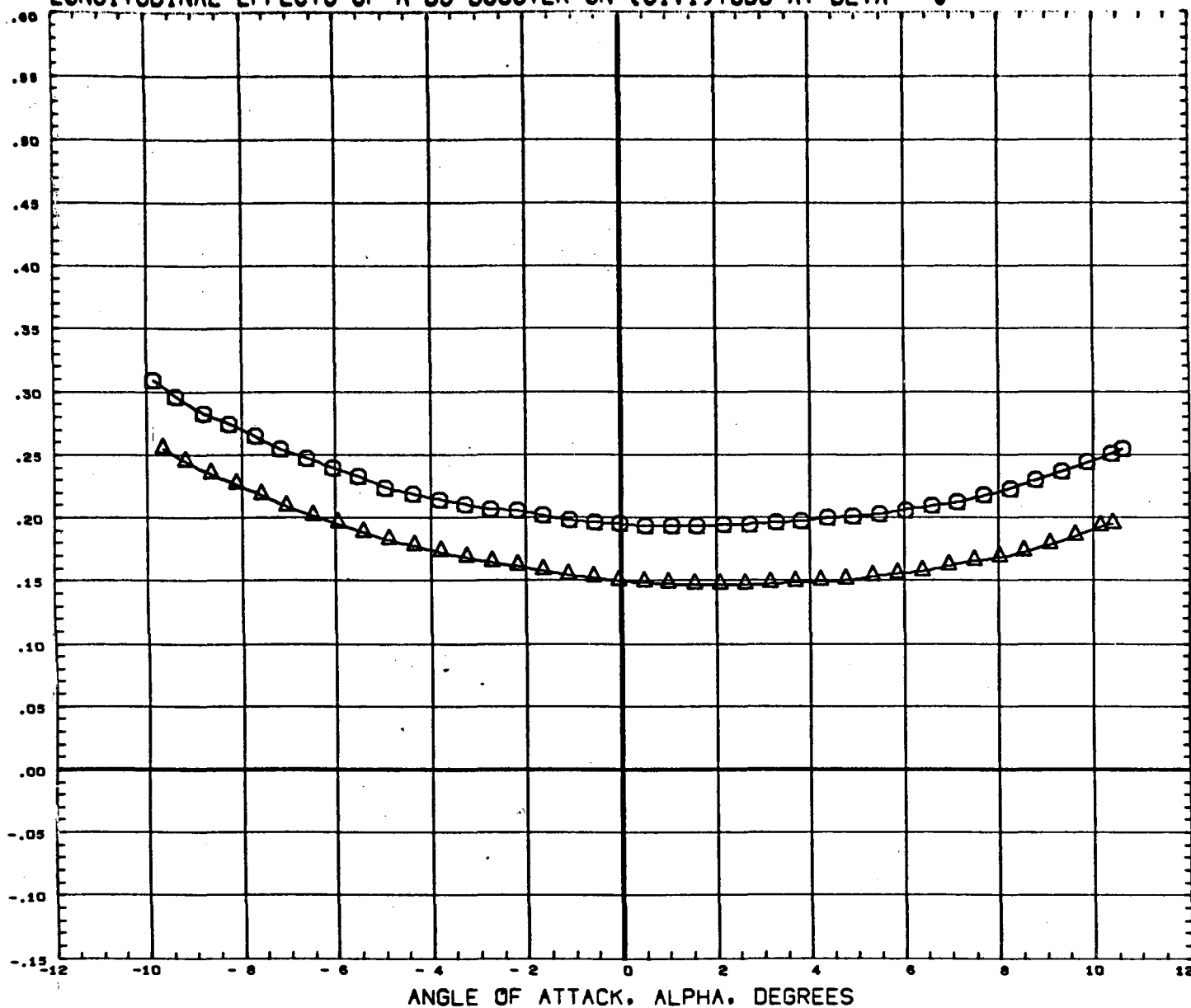
REFERENCE INFORMATION	
SREF	3155.3040 SQ.FT.
LREF	609.5004 IN.
BREF	882.0004 IN.
XMRP	557.0004 IN.
YMRP	0.0000 IN.
ZMRP	200.0004 IN.
SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



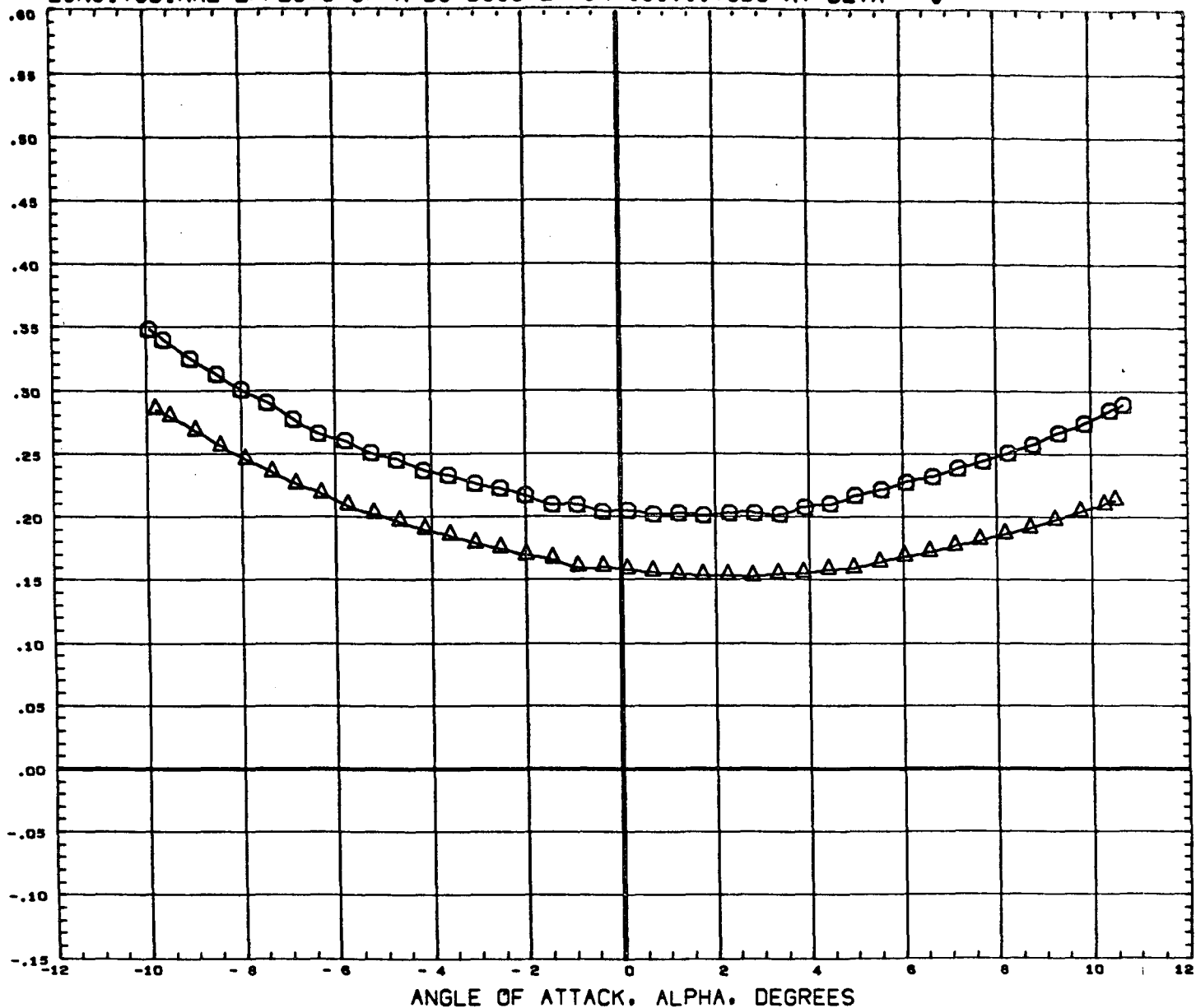
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(D074A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(D074A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



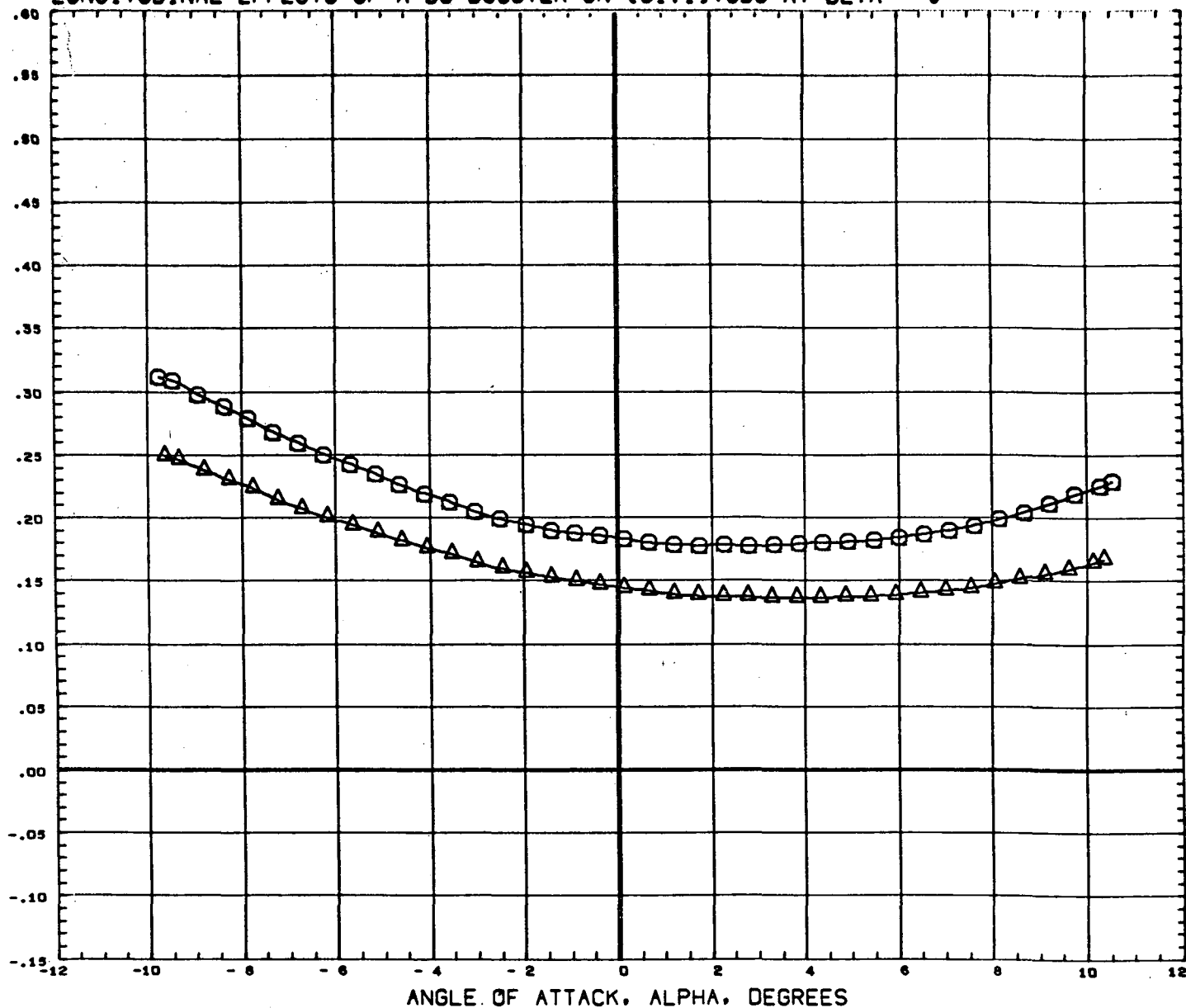
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 656

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF

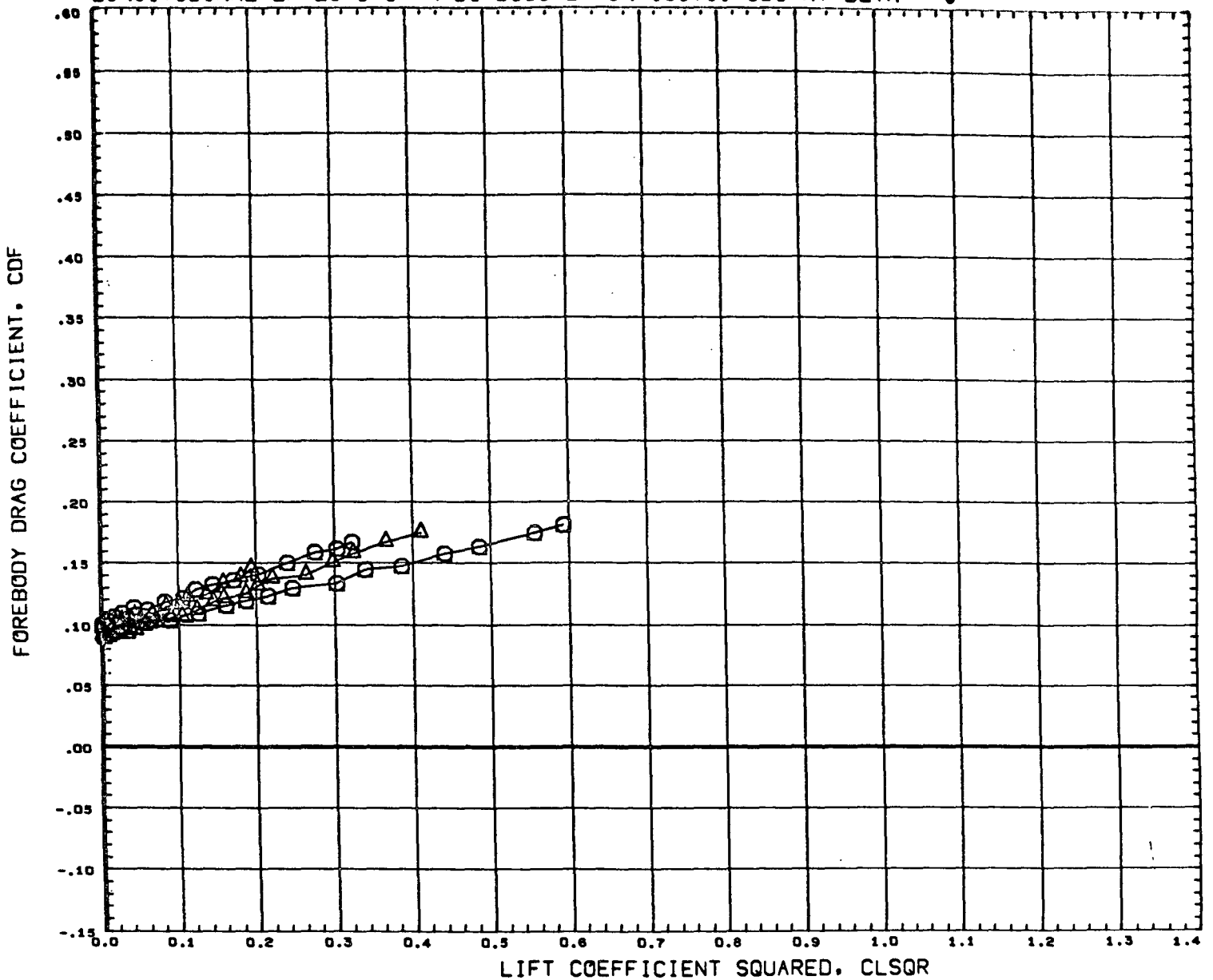


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0



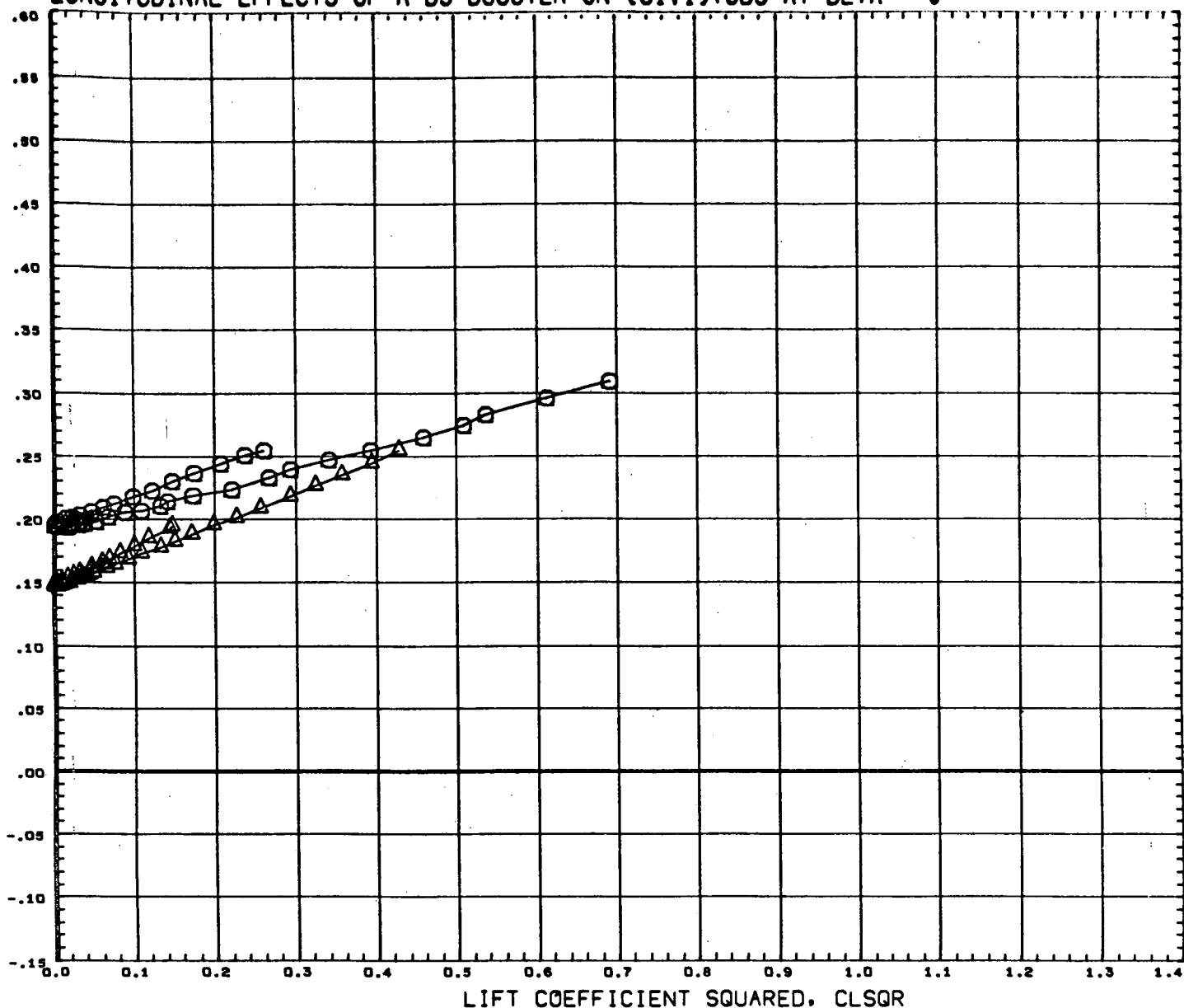
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 658

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



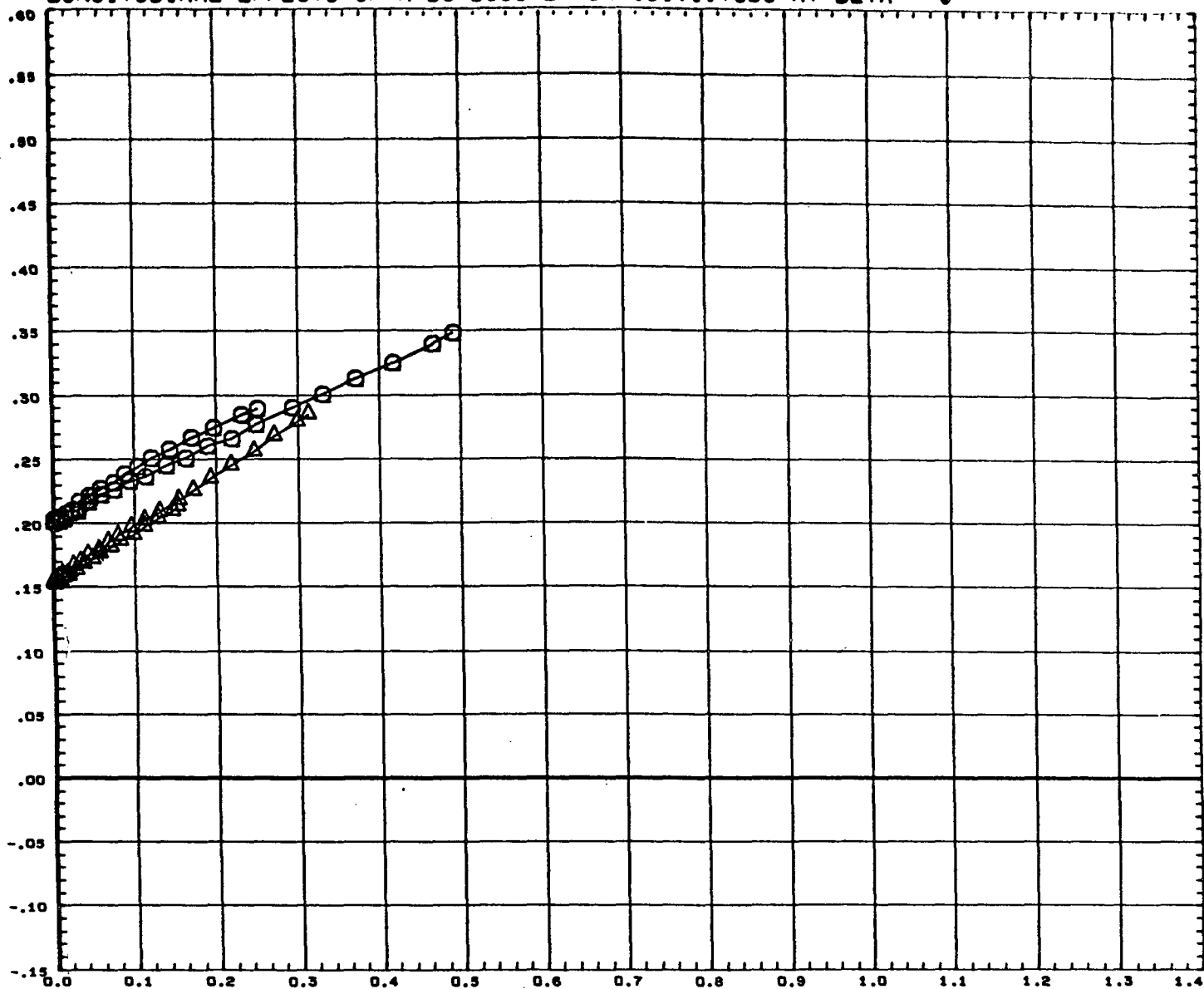
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



LIFT COEFFICIENT SQUARED, CLSQR

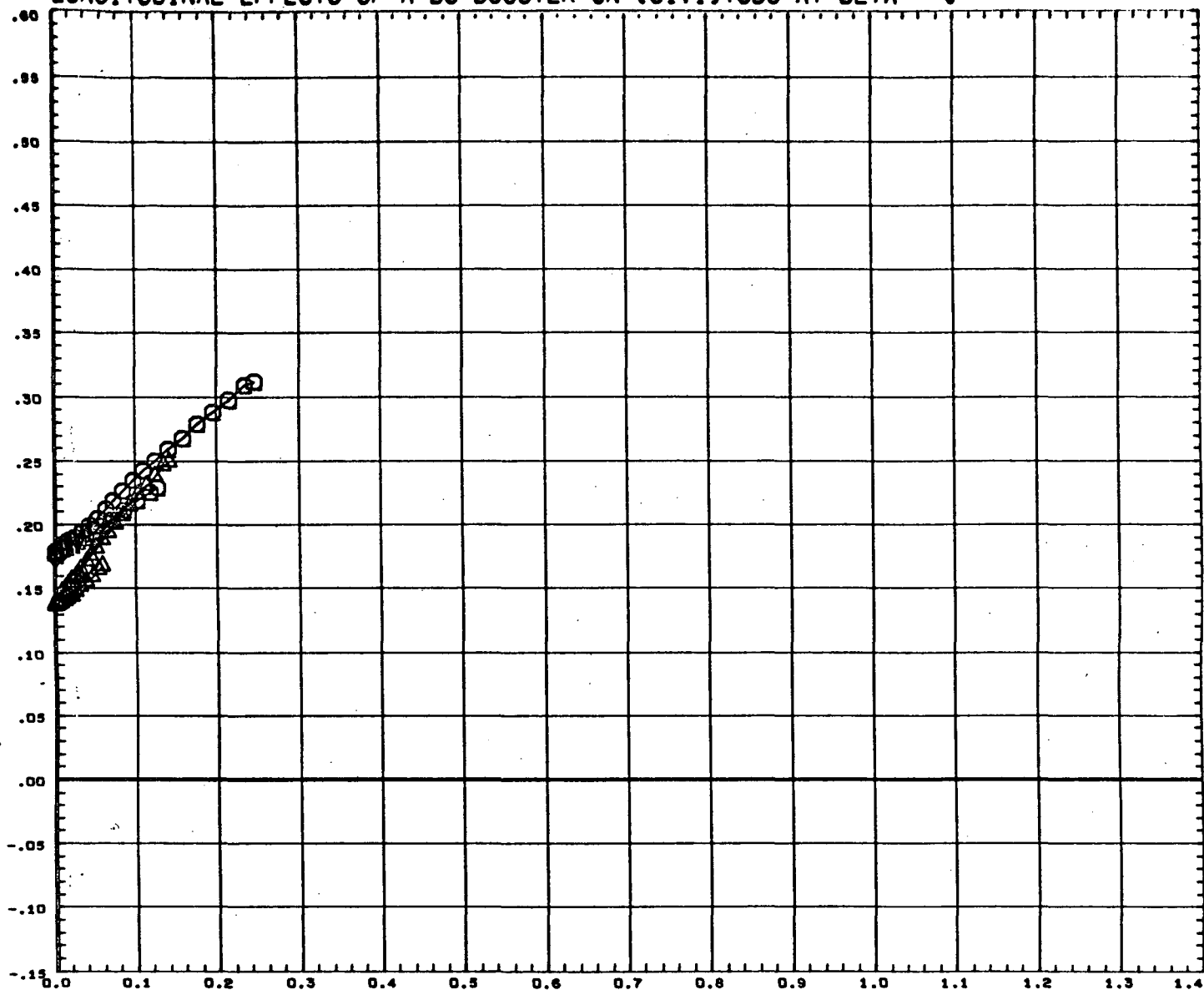
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A6)	MDAC S-222 COMPOSITE(T-CG) (O1V1)T3B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

FOREBODY DRAG COEFFICIENT, CDF



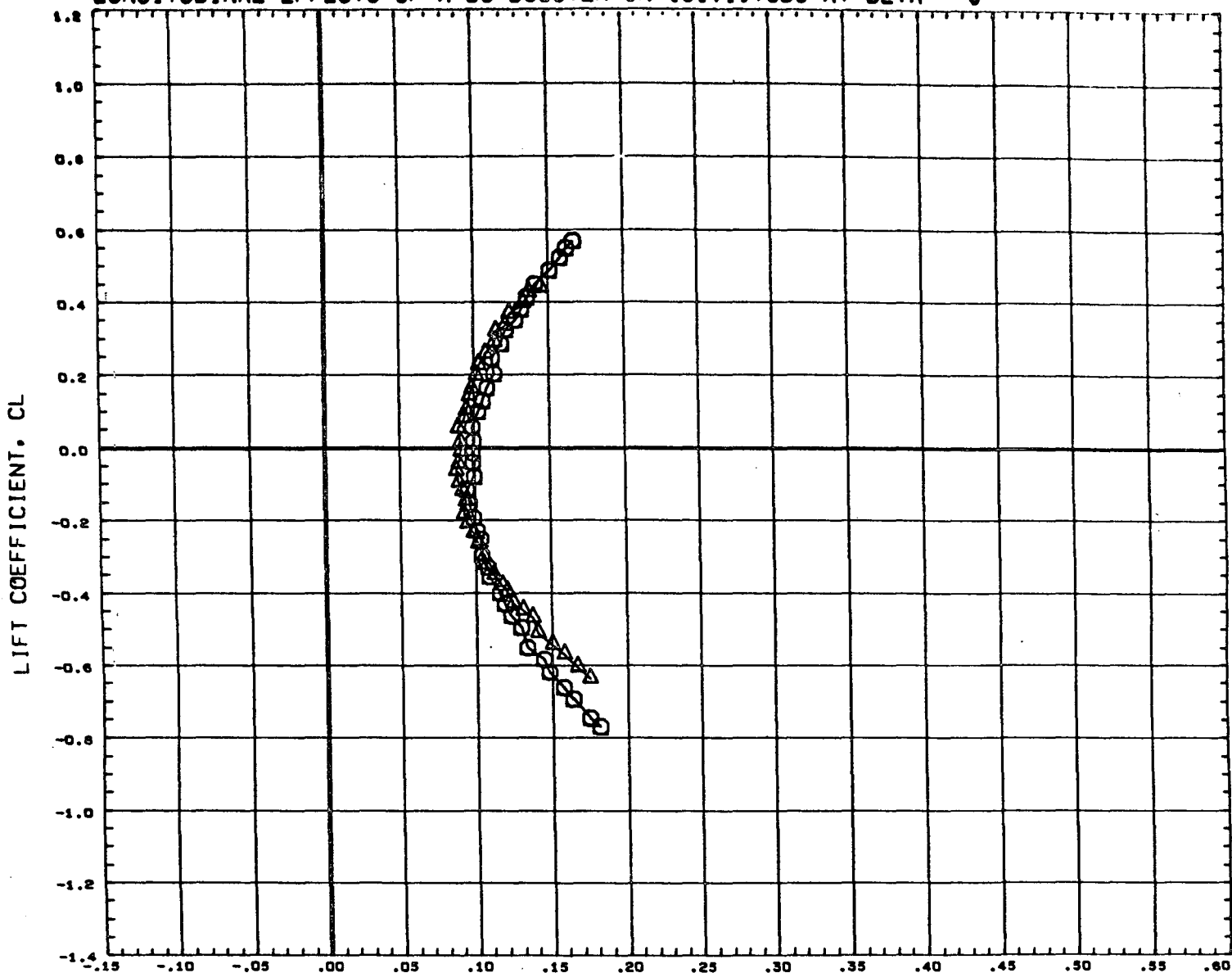
LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060



MACH 4.47

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(0074A5)  MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5
(074A8)  MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5L (B5R)

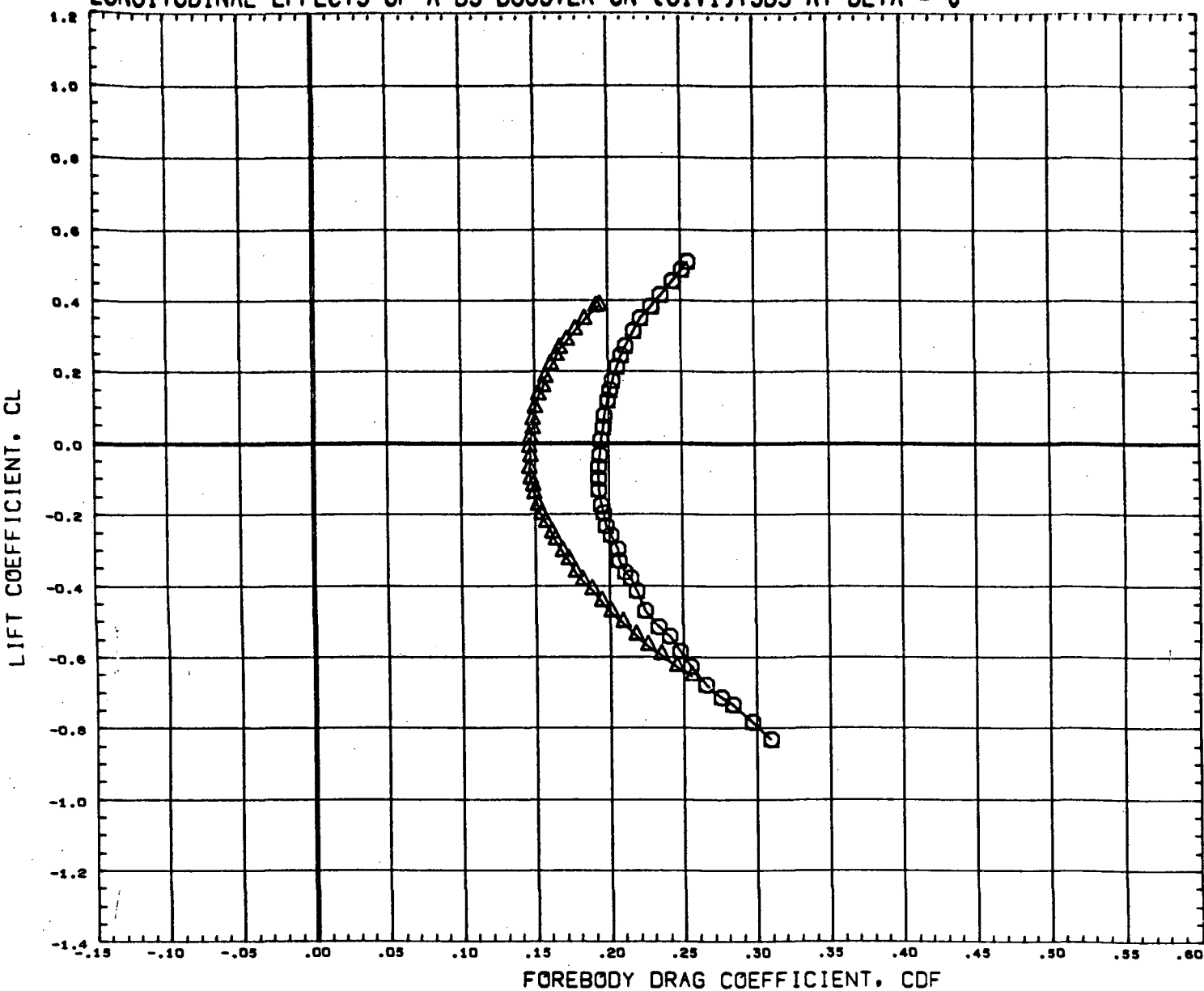
BETA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 662.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH .90

PAGE 662

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

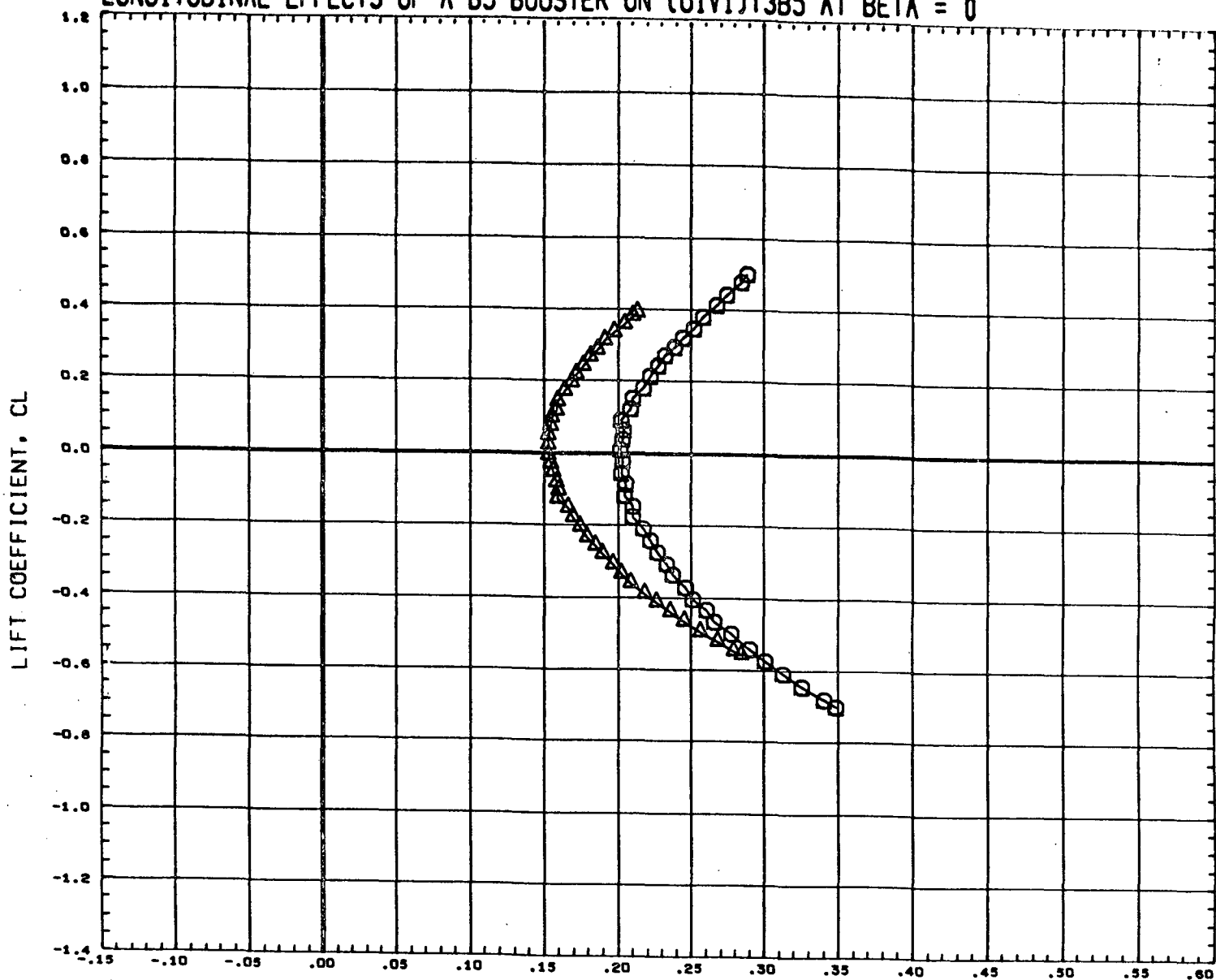


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

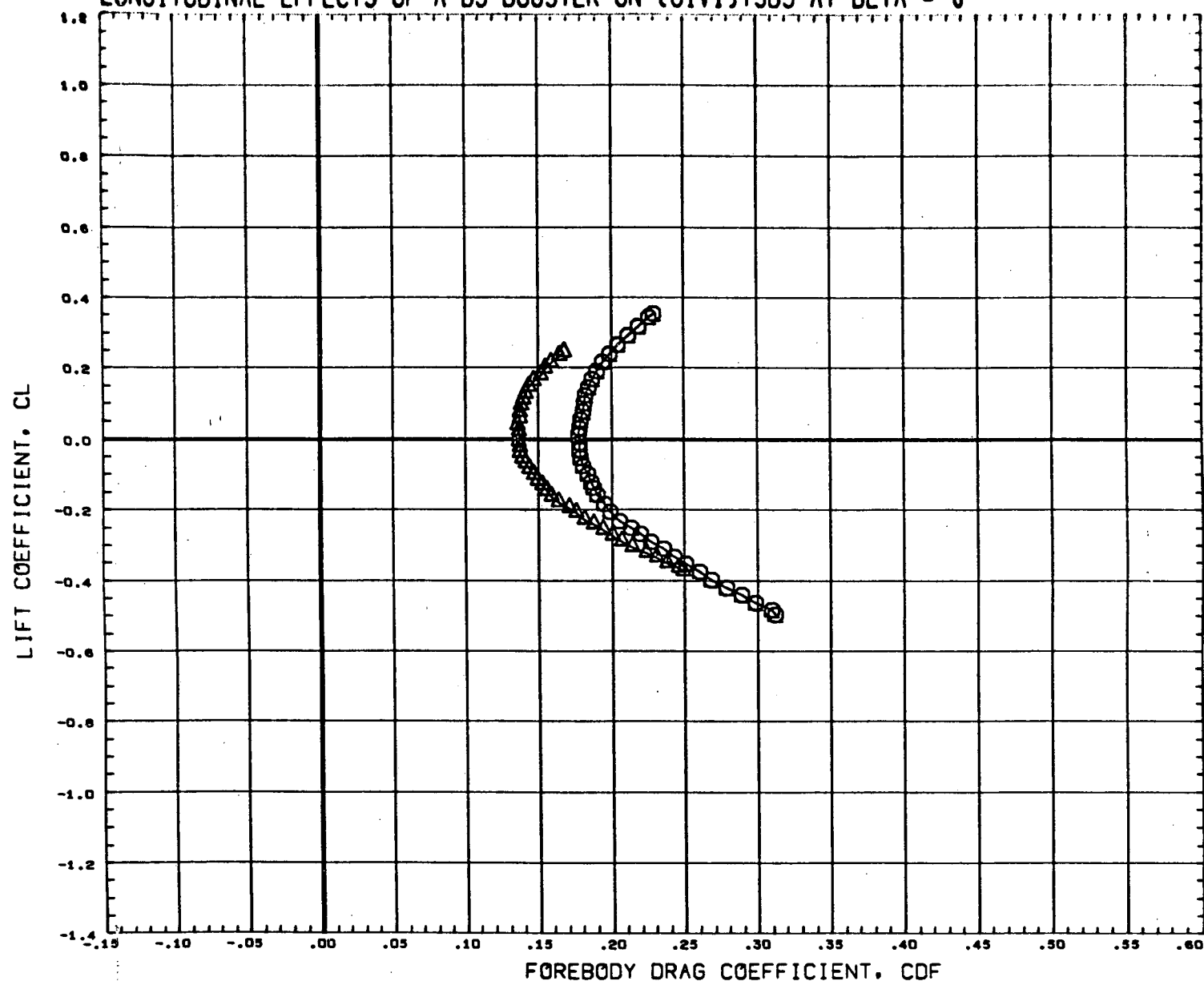


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	557.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0060

MACH 2.20

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

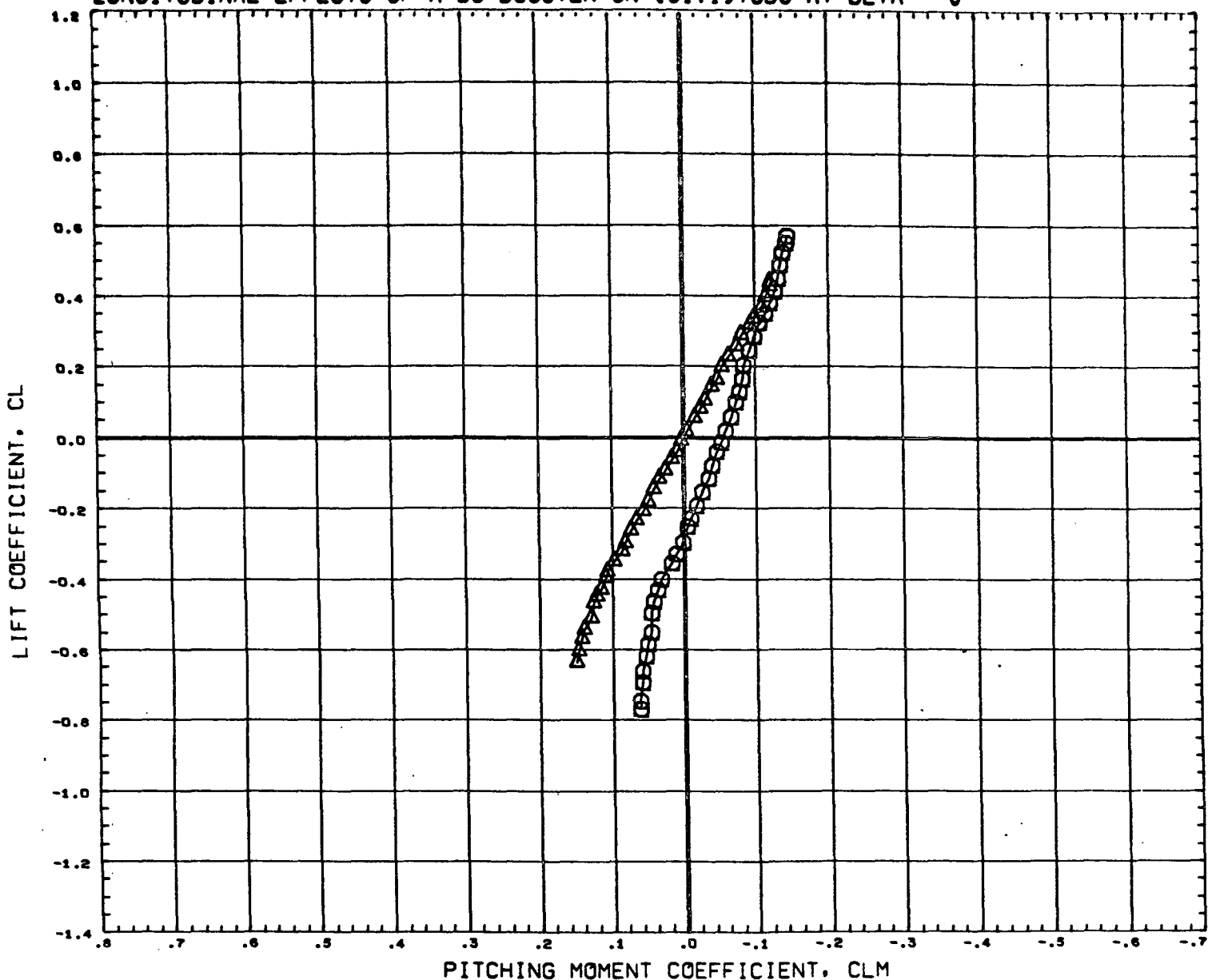


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

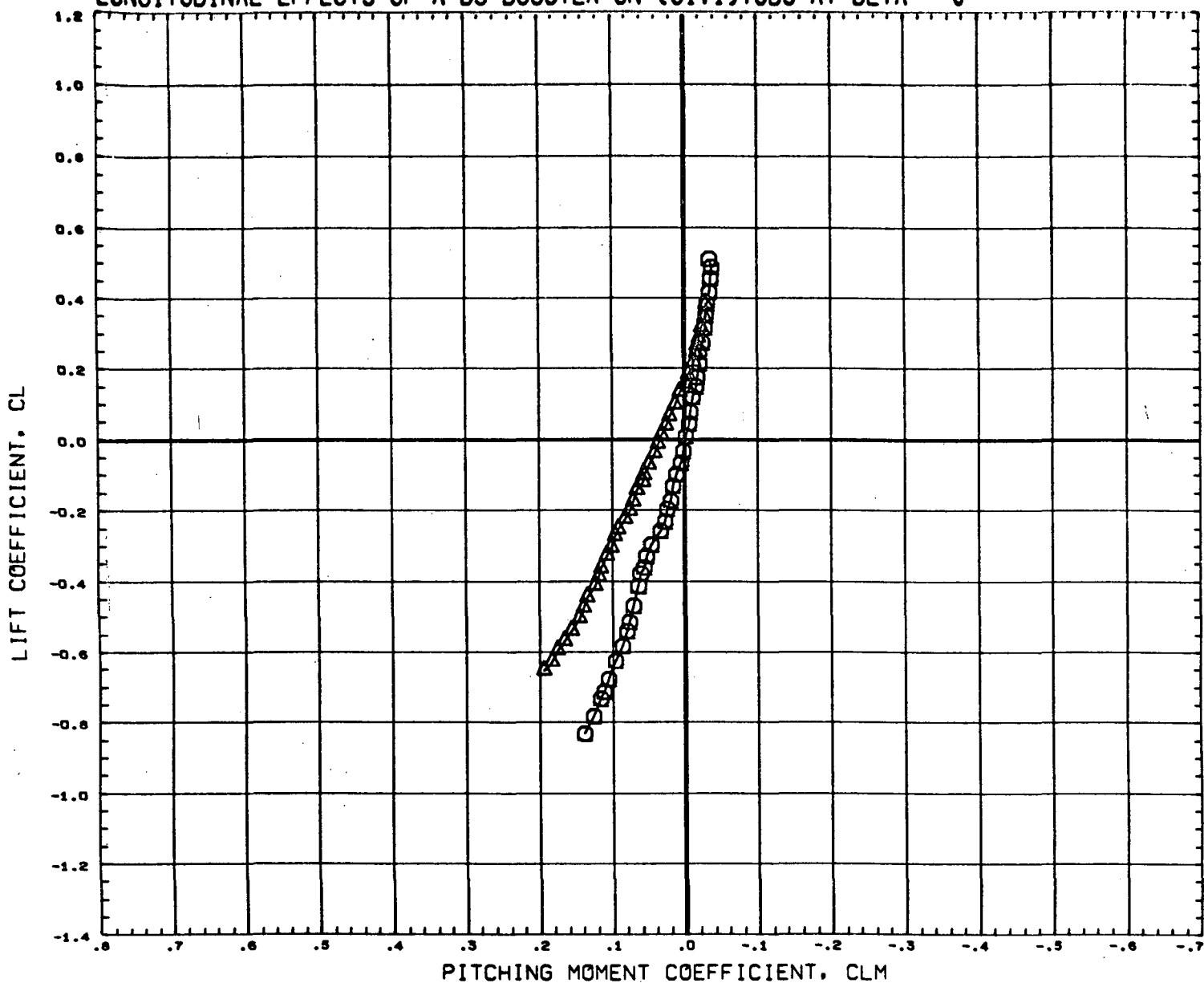


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



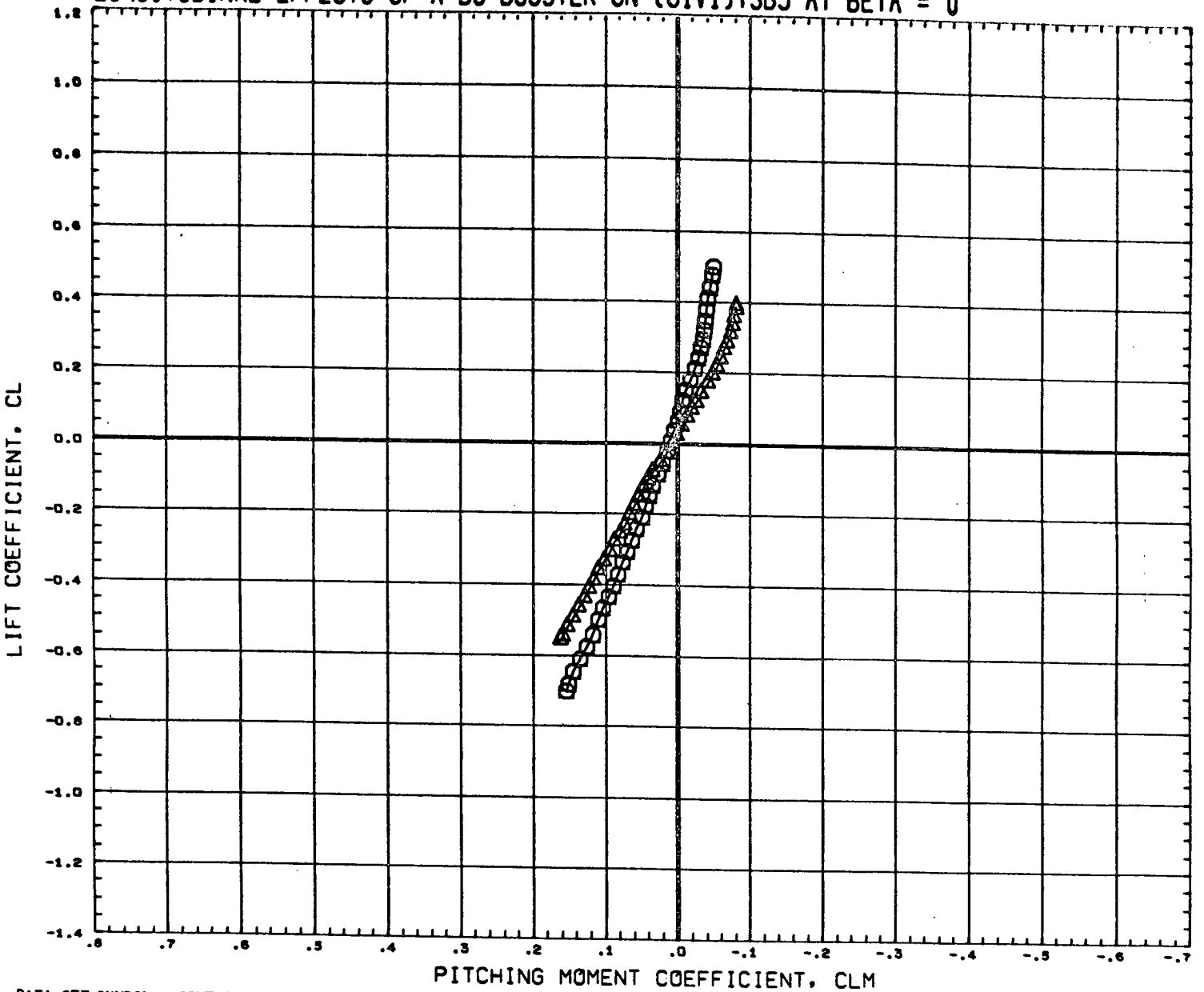
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L(B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	0.000	SREF 3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF 609.3004 IN.
				BREF 882.0004 IN.
				XMRP 557.0004 IN.
				YMRP 0.0000 IN.
				ZMRP 200.0004 IN.
				SCALE 0.0060

MACH 1.09

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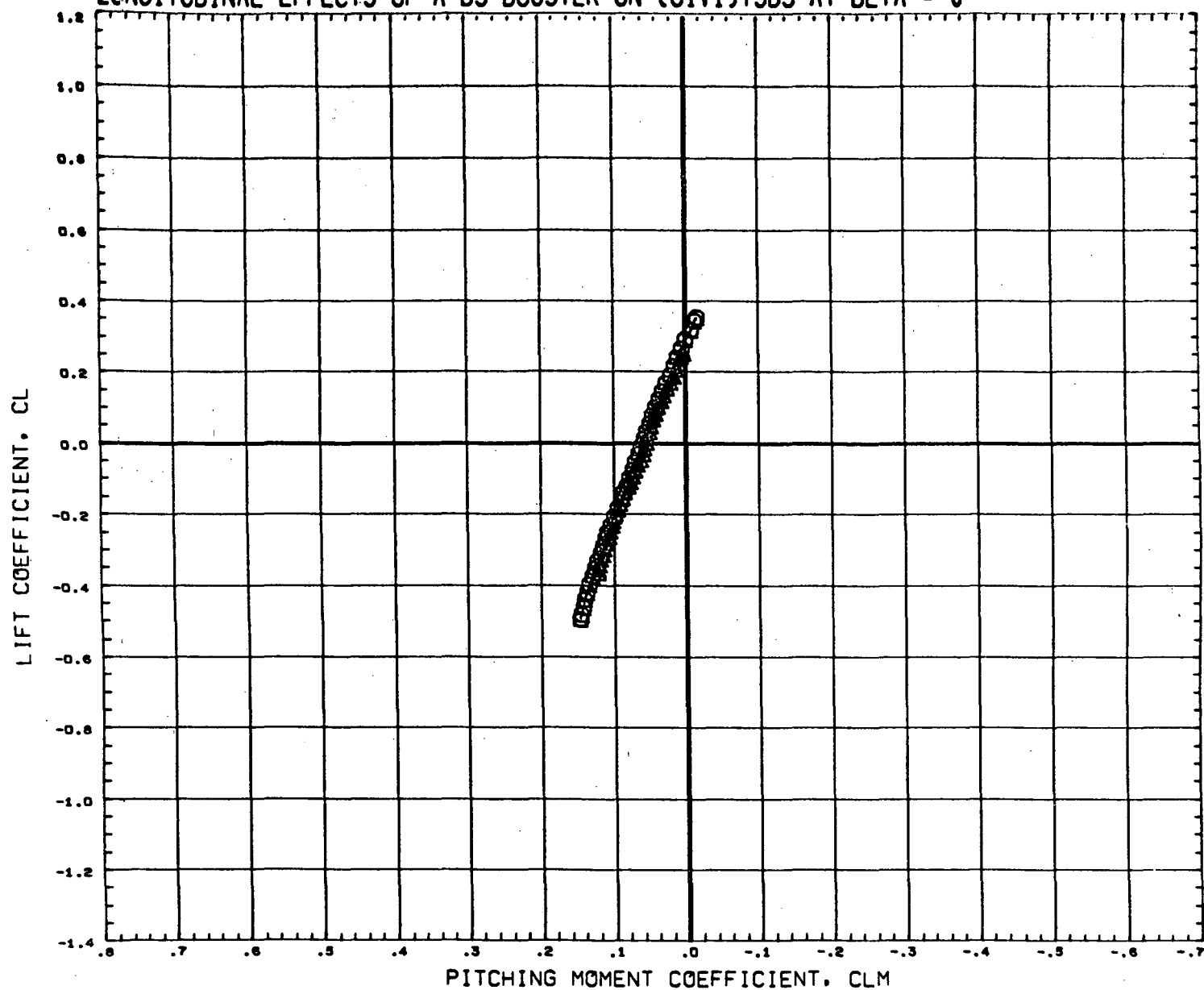
LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

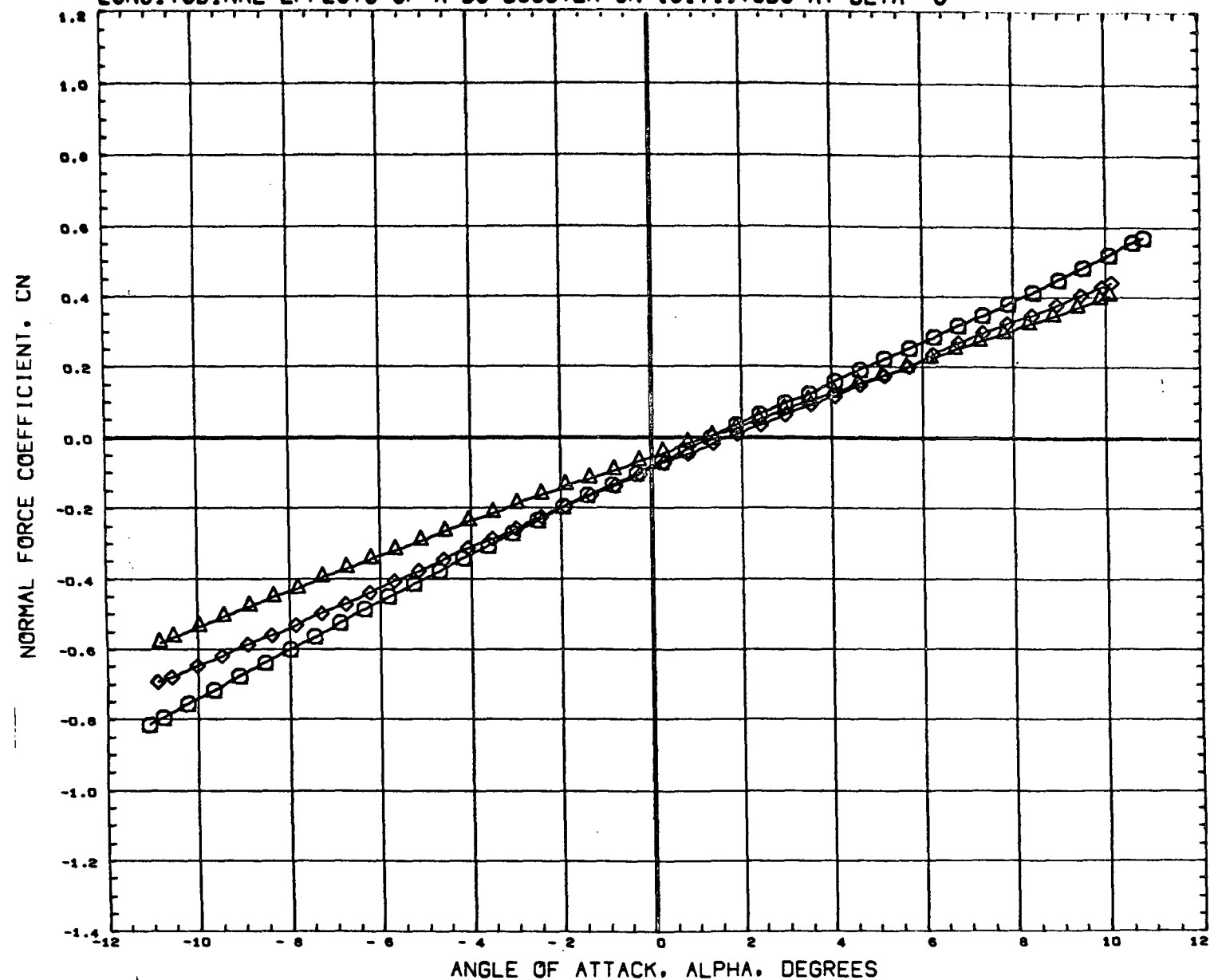


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(DD74A5)	Q MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A8)	Q MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA =6



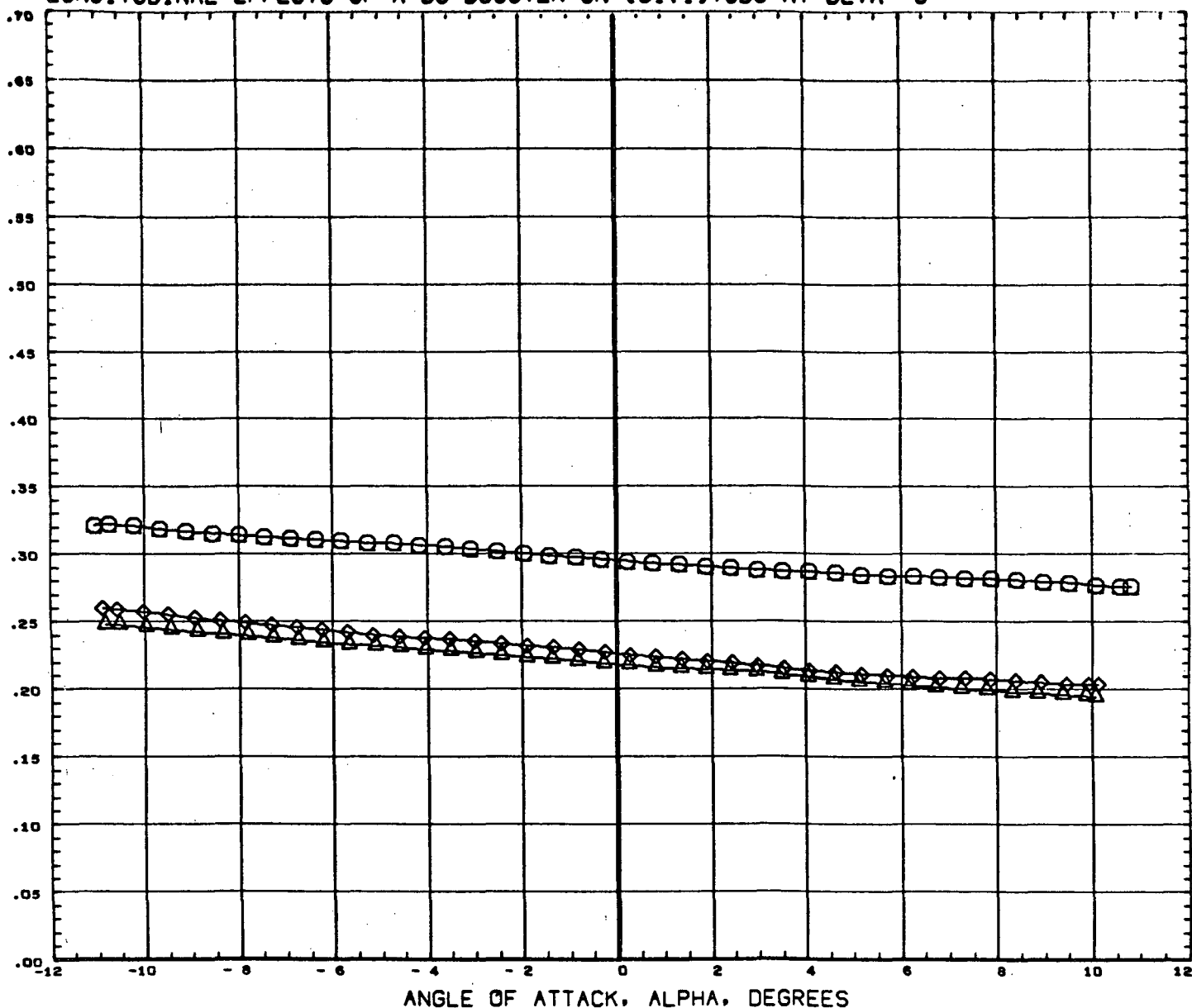
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE (T-CG) (01)V1T3B5L(B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA =6

AXIAL FORCE COEFFICIENT, CA



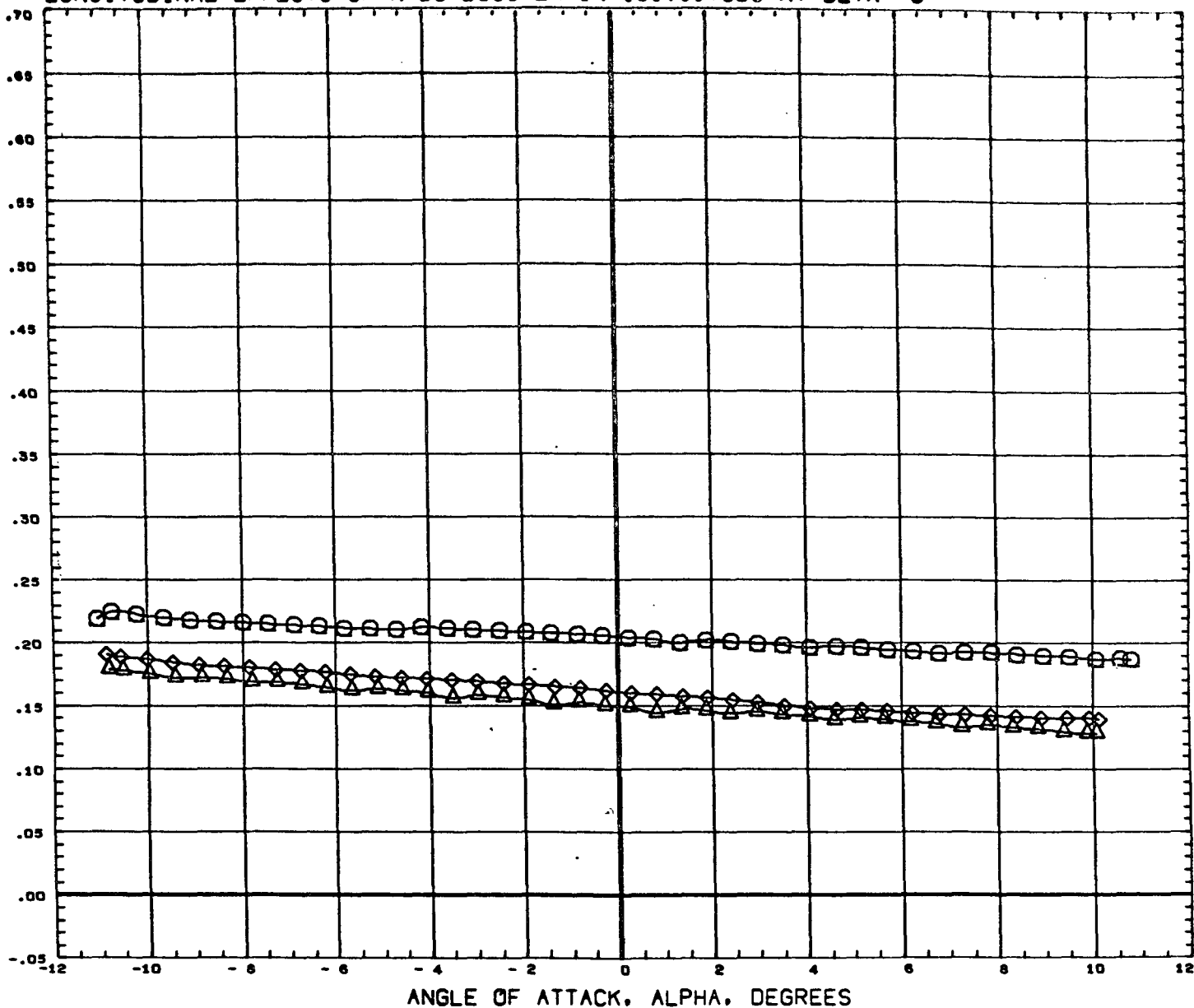
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	ATLRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE (T-CG) (01) V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA =6

FOREBODY AXIAL FORCE COEFFICIENT, CAF



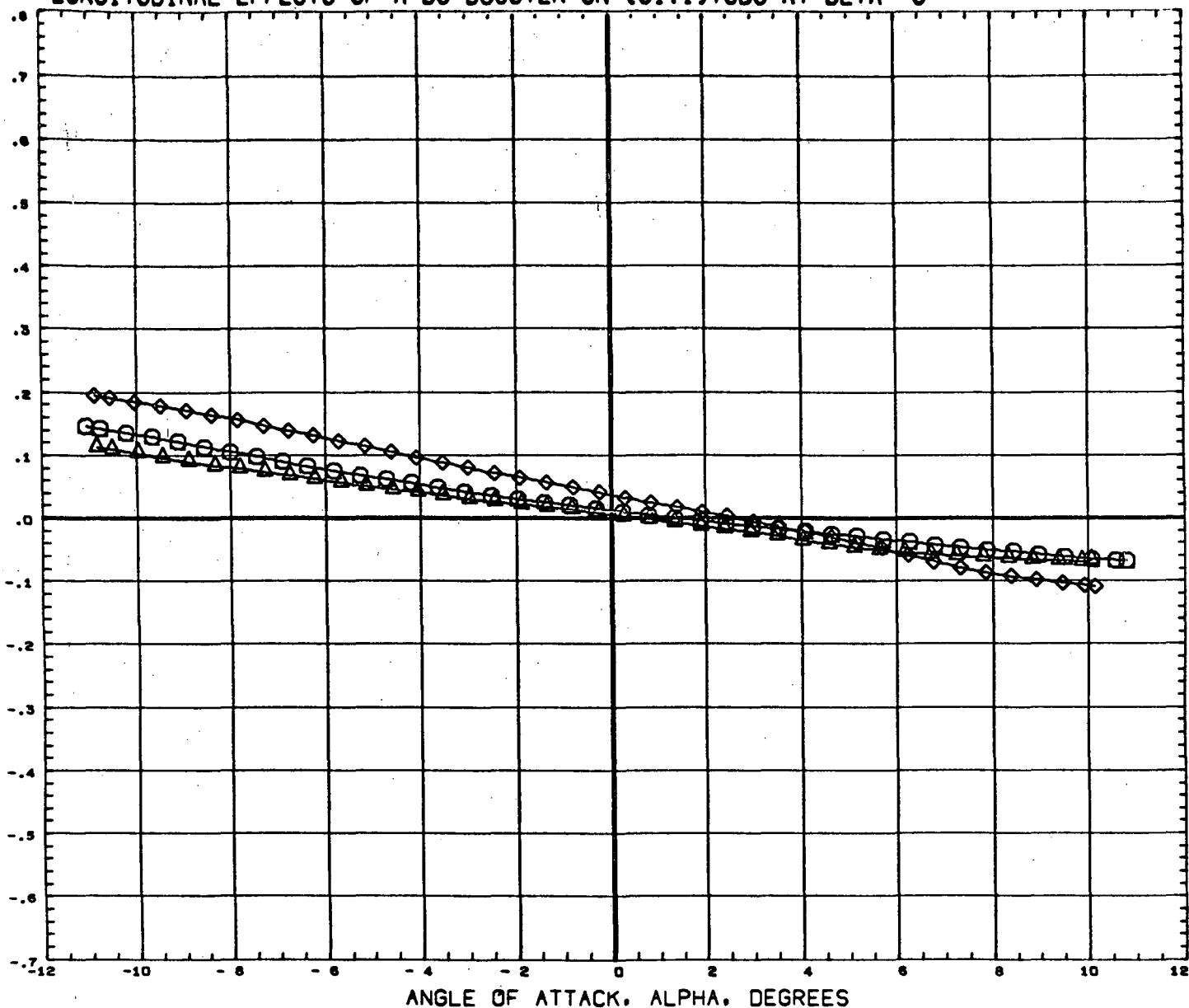
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD7447)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD7481)	MDAC S-222 COMPOSITE (T-CG) (O1)V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD7482)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 672

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA =6

PITCHING MOMENT COEFFICIENT, CLM

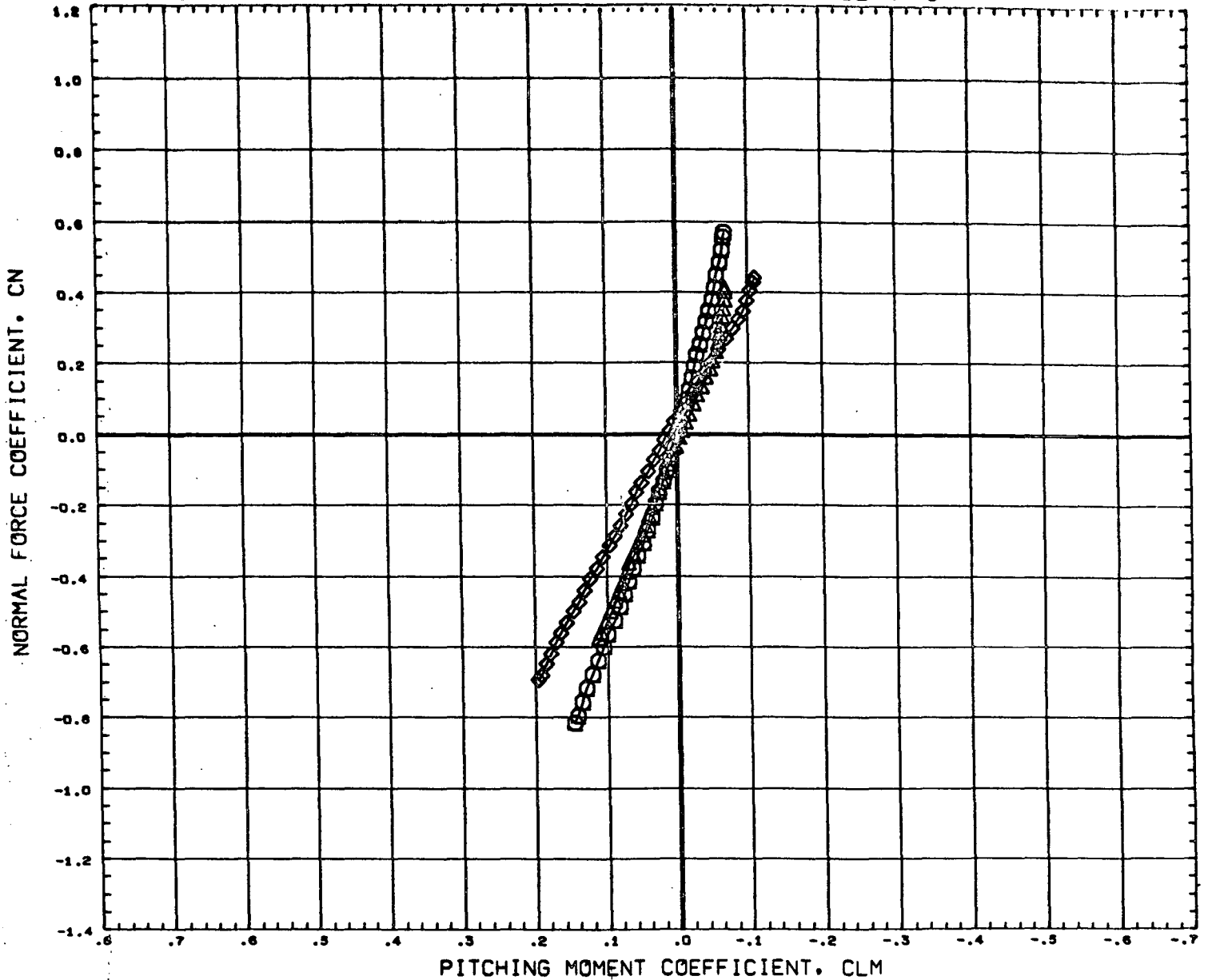


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE (T-CG) (O1)V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

PAGE 673

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA =6

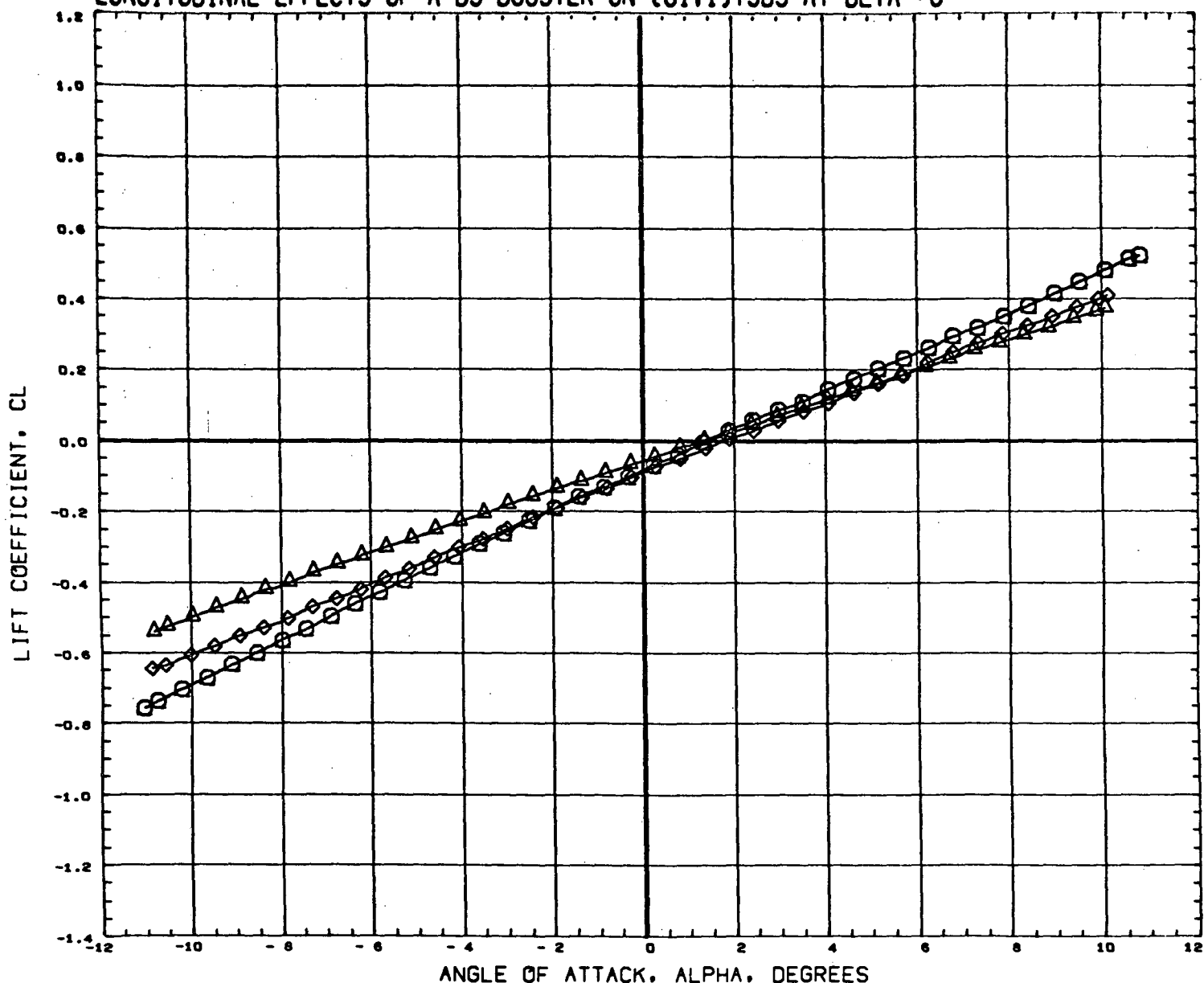


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE (T-CG) (O1) V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA =6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CD74A7) (O) MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5

(CD74B1) (Δ) MDAC S-222 COMPOSITE (T-CG) (O1)V1T3B5L (B5R)

(CD74B2) (◇) MDAC S-222 COMPOSITE (T-CG) (O1V1)T3 (B5L)B5R

BETA ELEVTR AILRON RUDDER

6.000 0.000 0.000 0.000

6.000 0.000 0.000 0.000

6.000 0.000 0.000 0.000

REFERENCE INFORMATION

SREF 3155.3040 SQ.FT.

LREF 609.5004 IN.

BREF 882.0004 IN.

XMRP 557.0004 IN.

YMRP 0.0000 IN.

ZMRP 200.0004 IN.

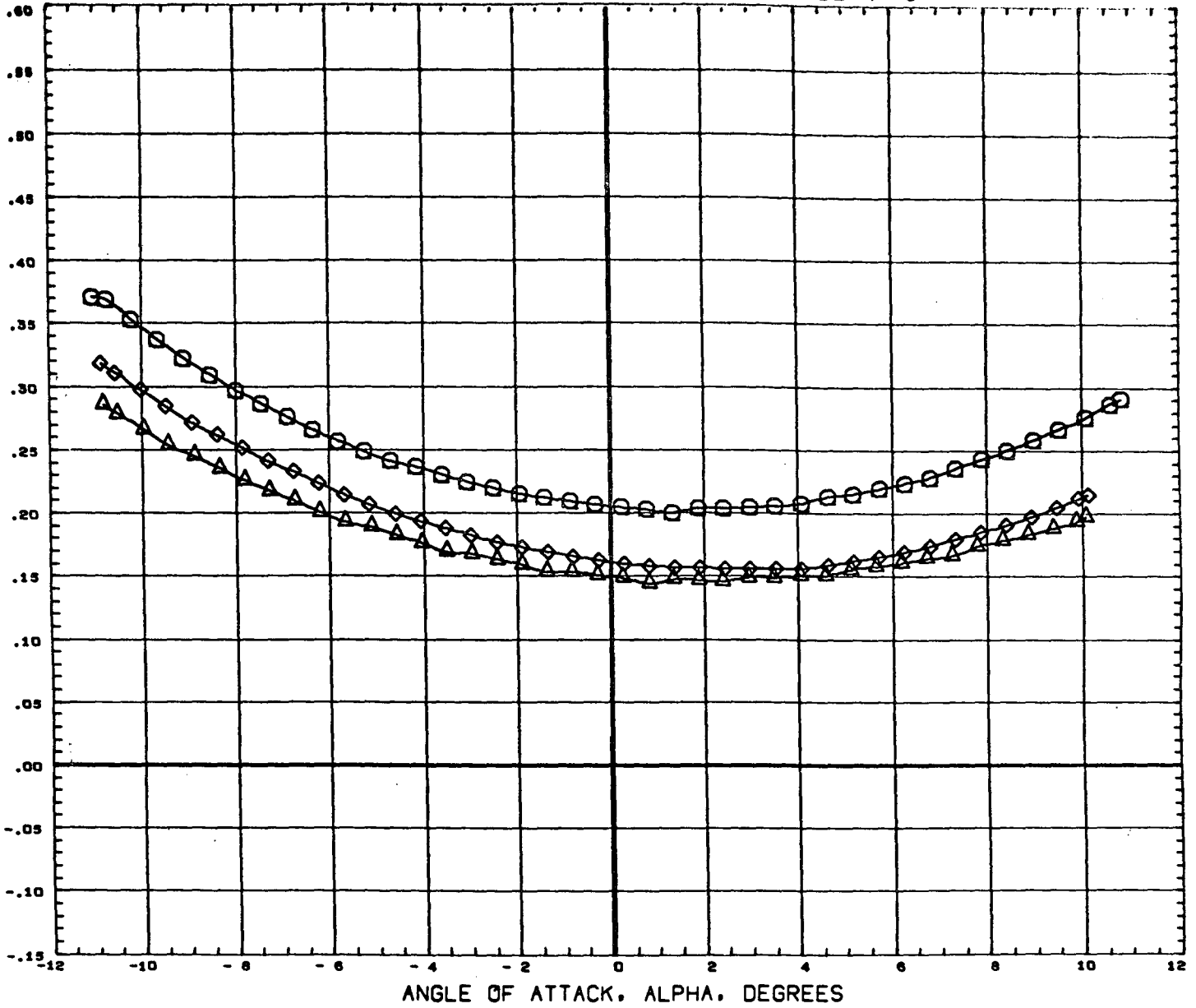
SCALE 0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA =6

FOREBODY DRAG COEFFICIENT, CDF



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE(T-CG) (01)V1T3B5L(B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3(B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

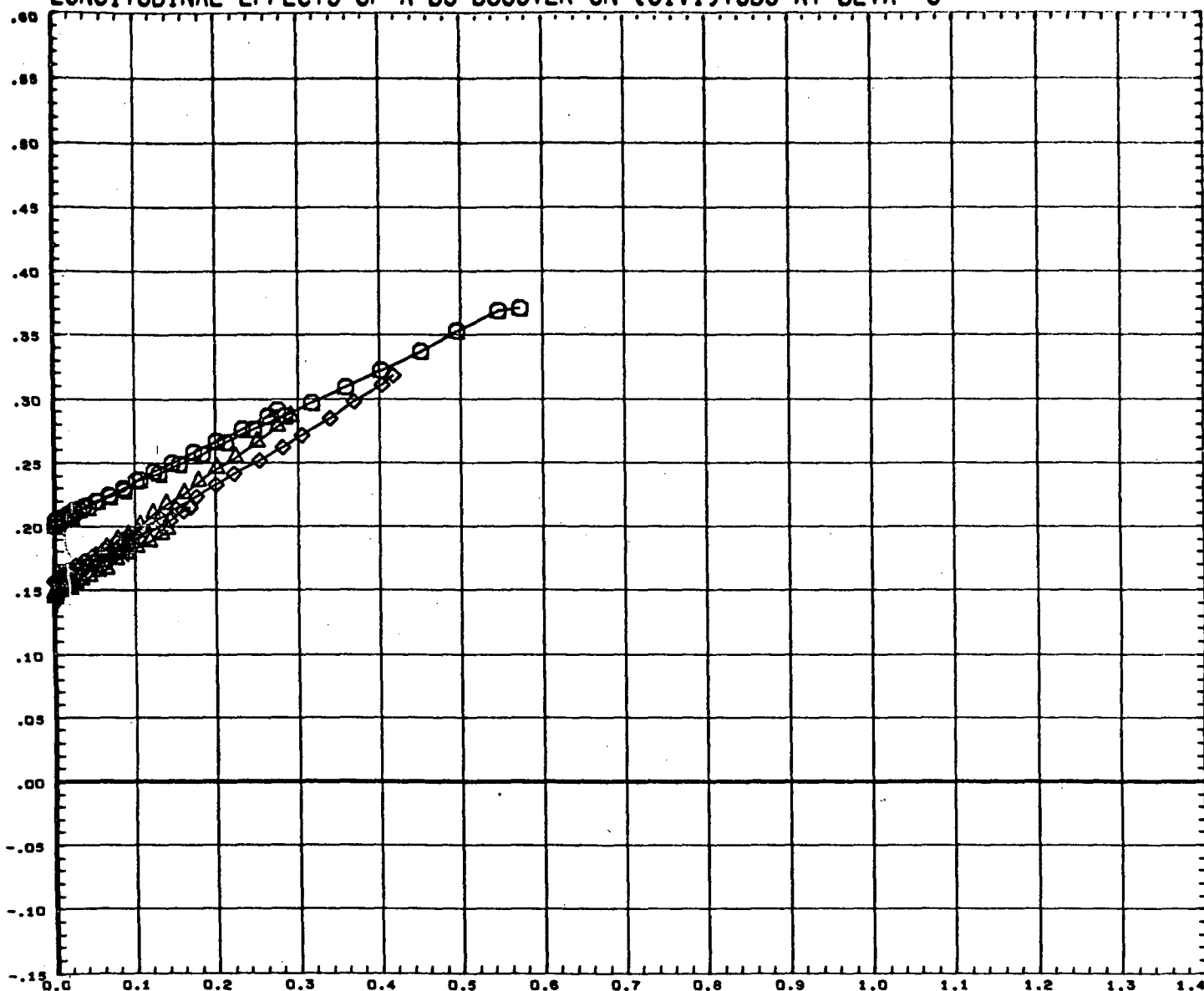
MACH

2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA =6

FOREBODY DRAG COEFFICIENT, CDF



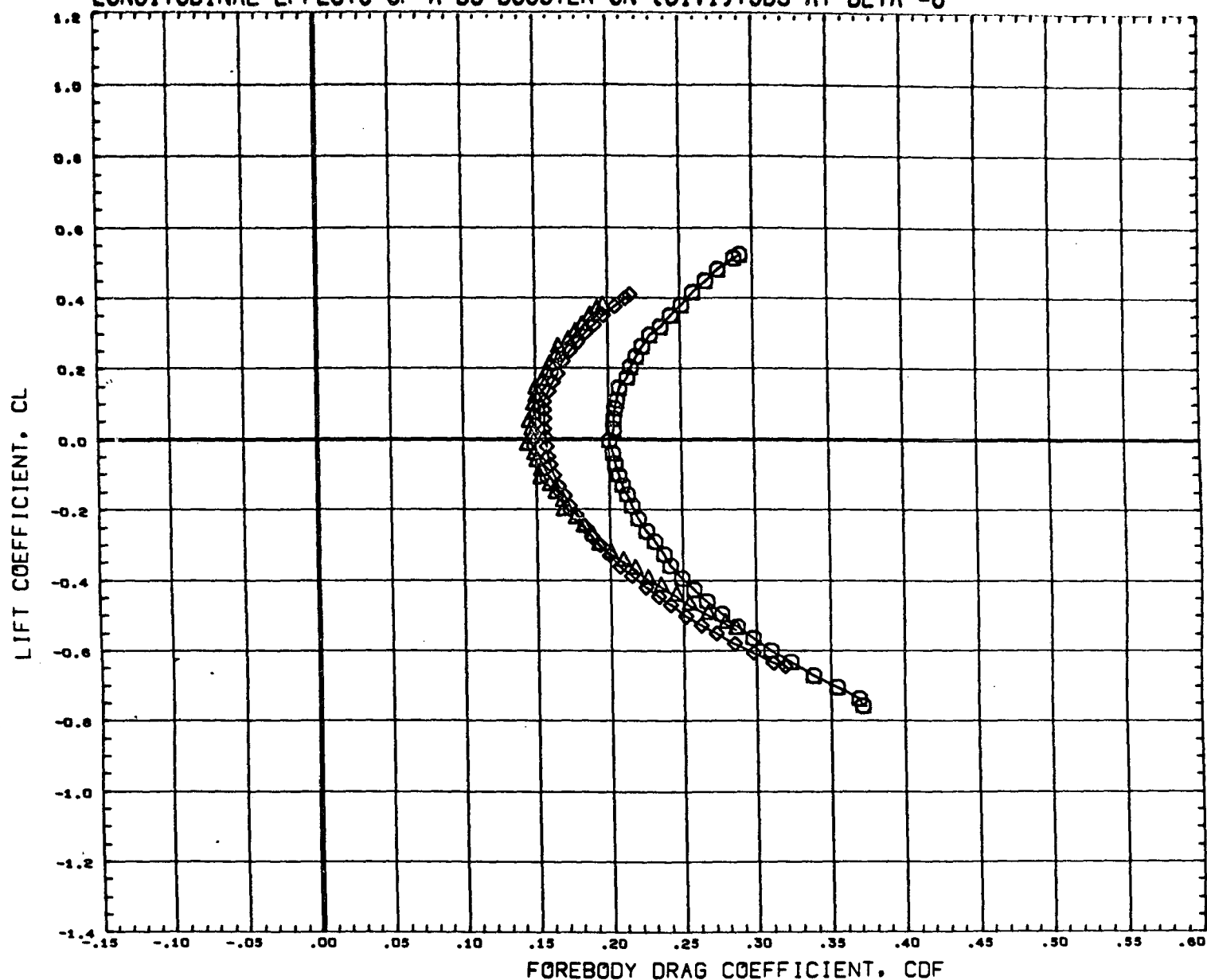
LIFT COEFFICIENT SQUARED, CLSQR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE (T-CG) (O1)V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XM RP	557.0004 IN.
						YM RP	0.0000 IN.
						ZM RP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA =6

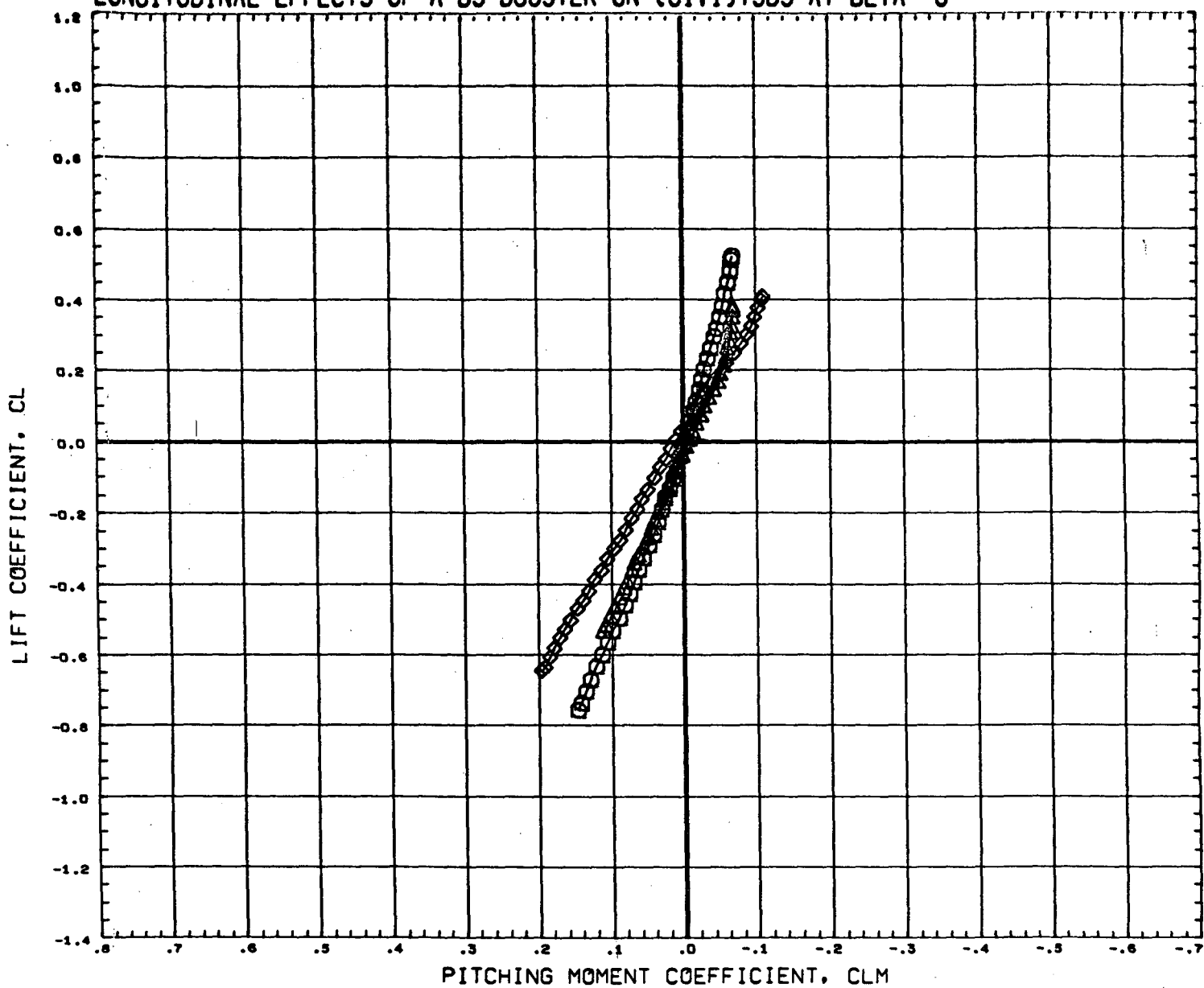


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE (T-CG) (01)V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3 (B5L)B5R	6.000	0.000	0.000	0.000	BREF	862.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA =6

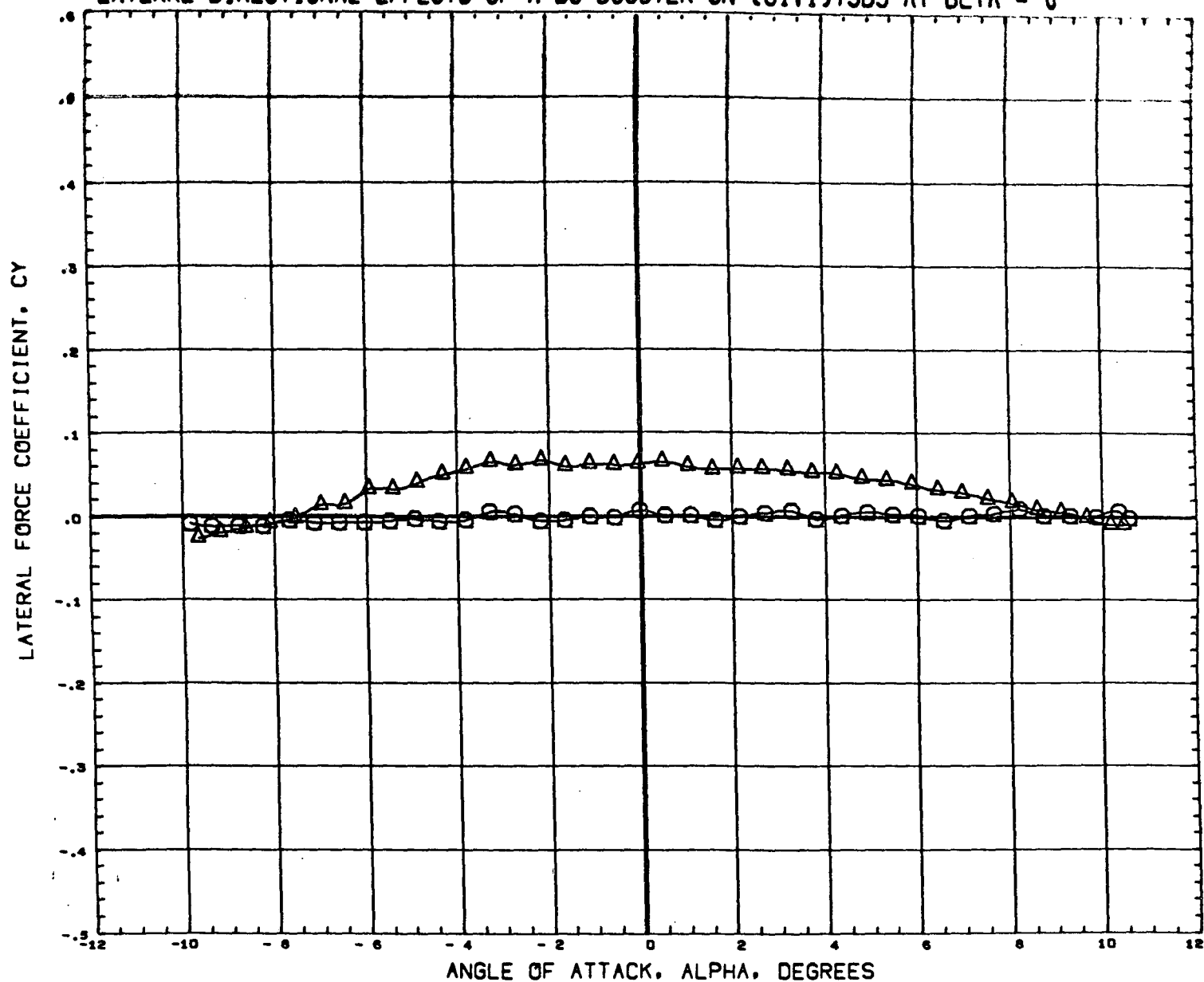


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A7)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74B1)	MDAC S-222 COMPOSITE (T-CG) (O1)V1T3B5L(B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(CD74B2)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3(B5L)B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMPP	557.0004 IN.
						YMPP	0.0000 IN.
						ZMPP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

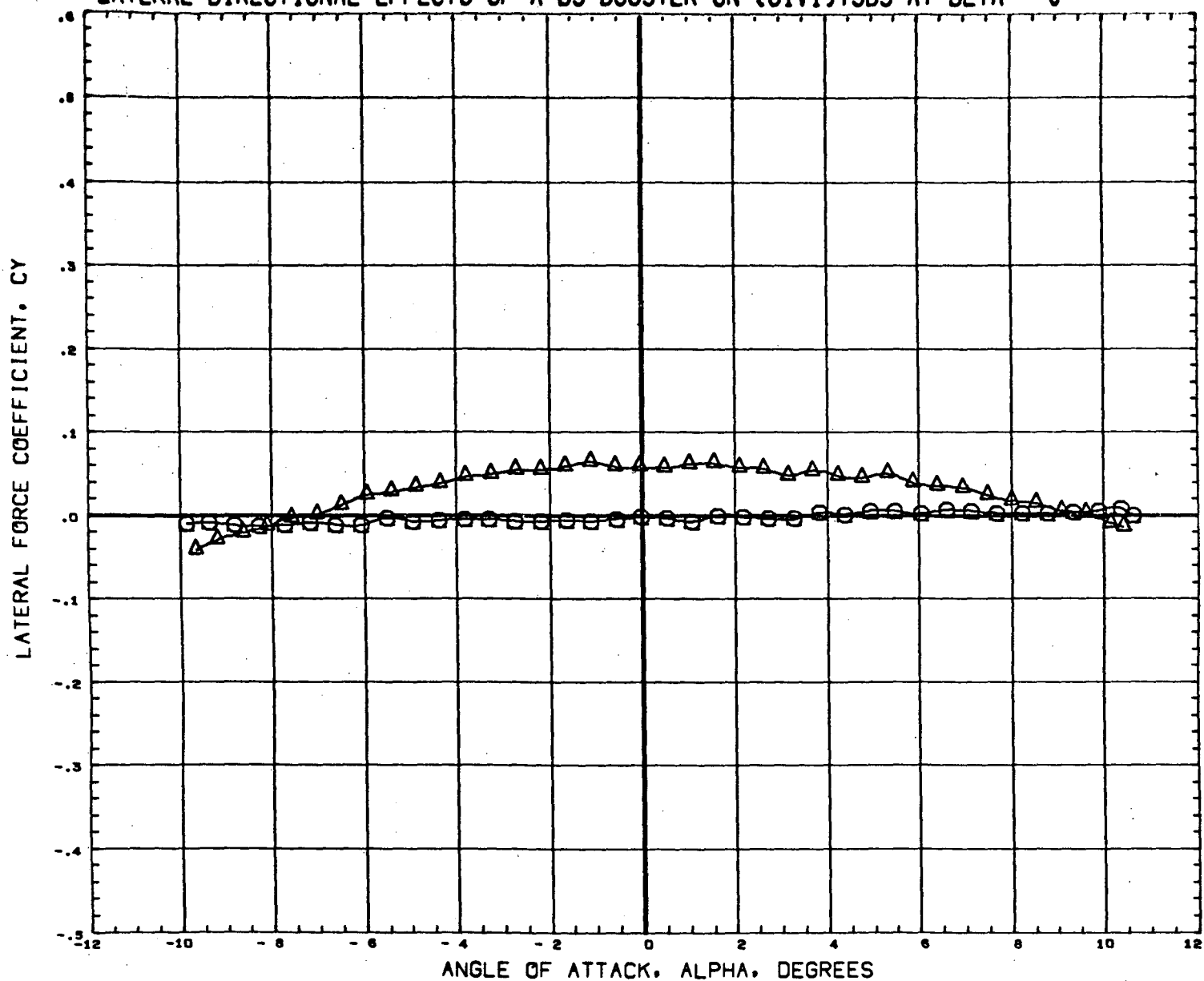


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	957.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 680

LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

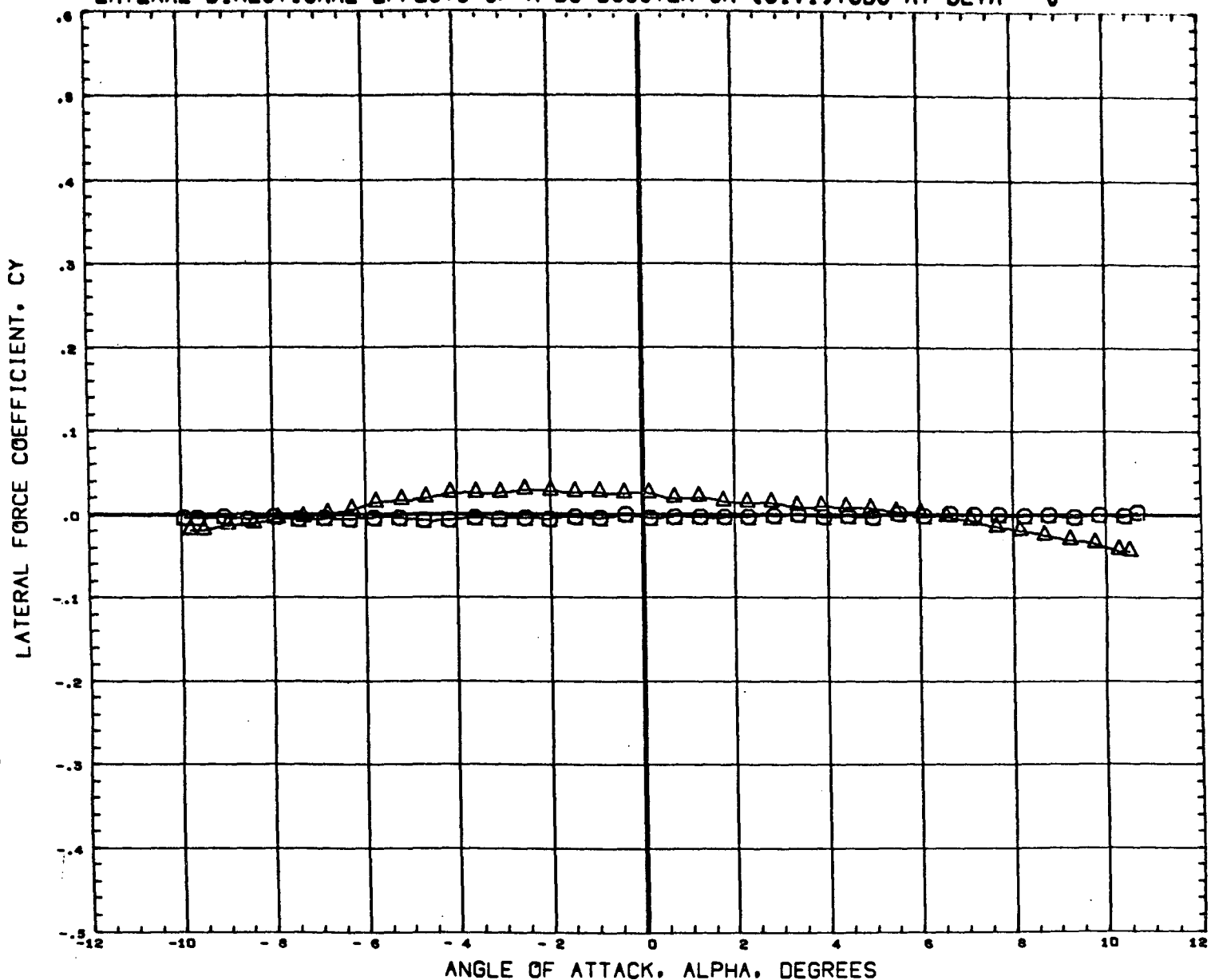


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(ED74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040	sq.ft.
(RD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 1.09

PAGE 681

LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



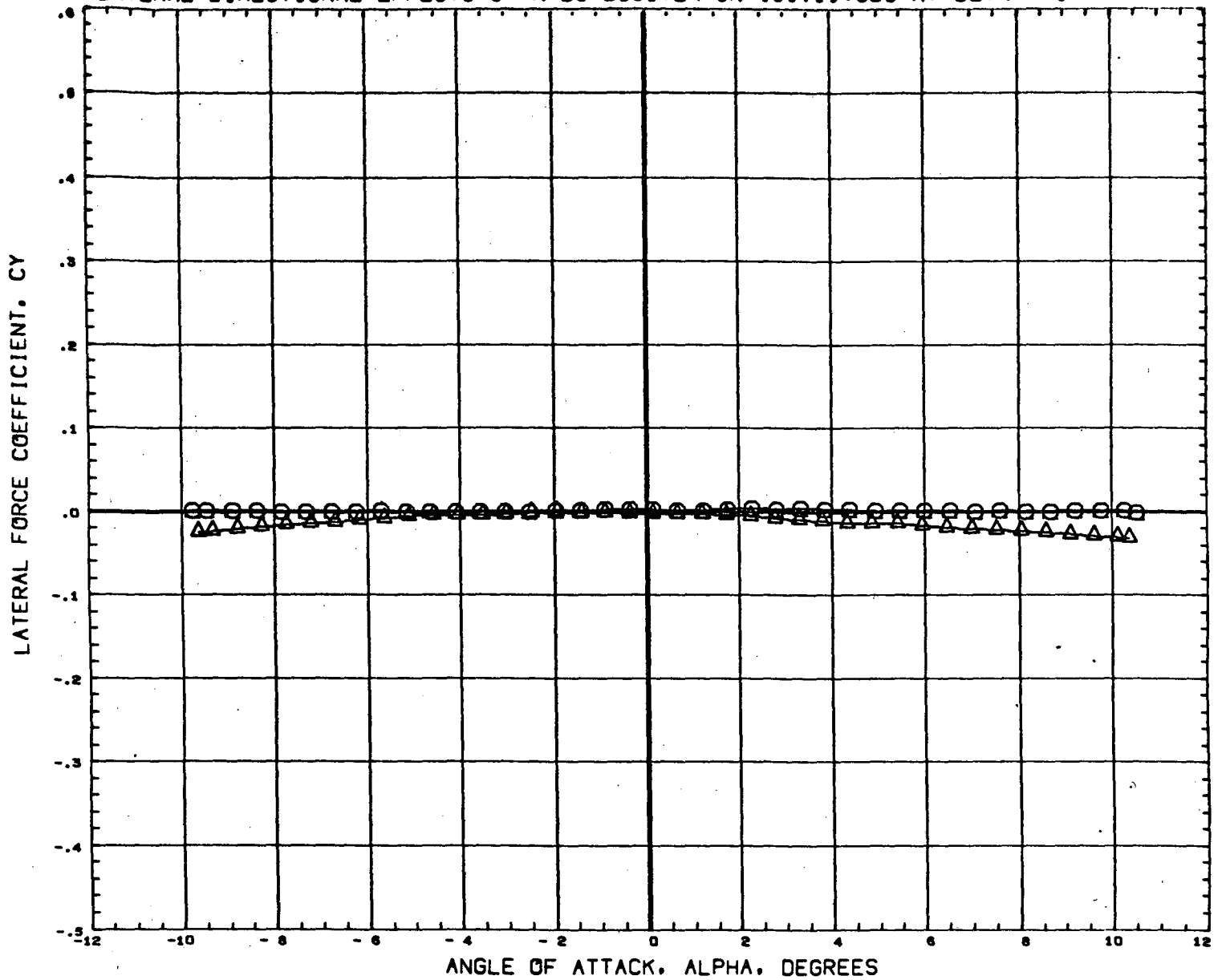
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ED74A5)  MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5
 (RD74A8)  MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
0.000	0.000	0.000	0.000	LREF	609.5004 IN.
				BREF	882.0004 IN.
				XMRP	537.0004 IN.
				YMRP	0.0000 IN.
				ZMRP	200.0004 IN.
				SCALE	0.0080

MACH 2.20

PAGE 682

LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

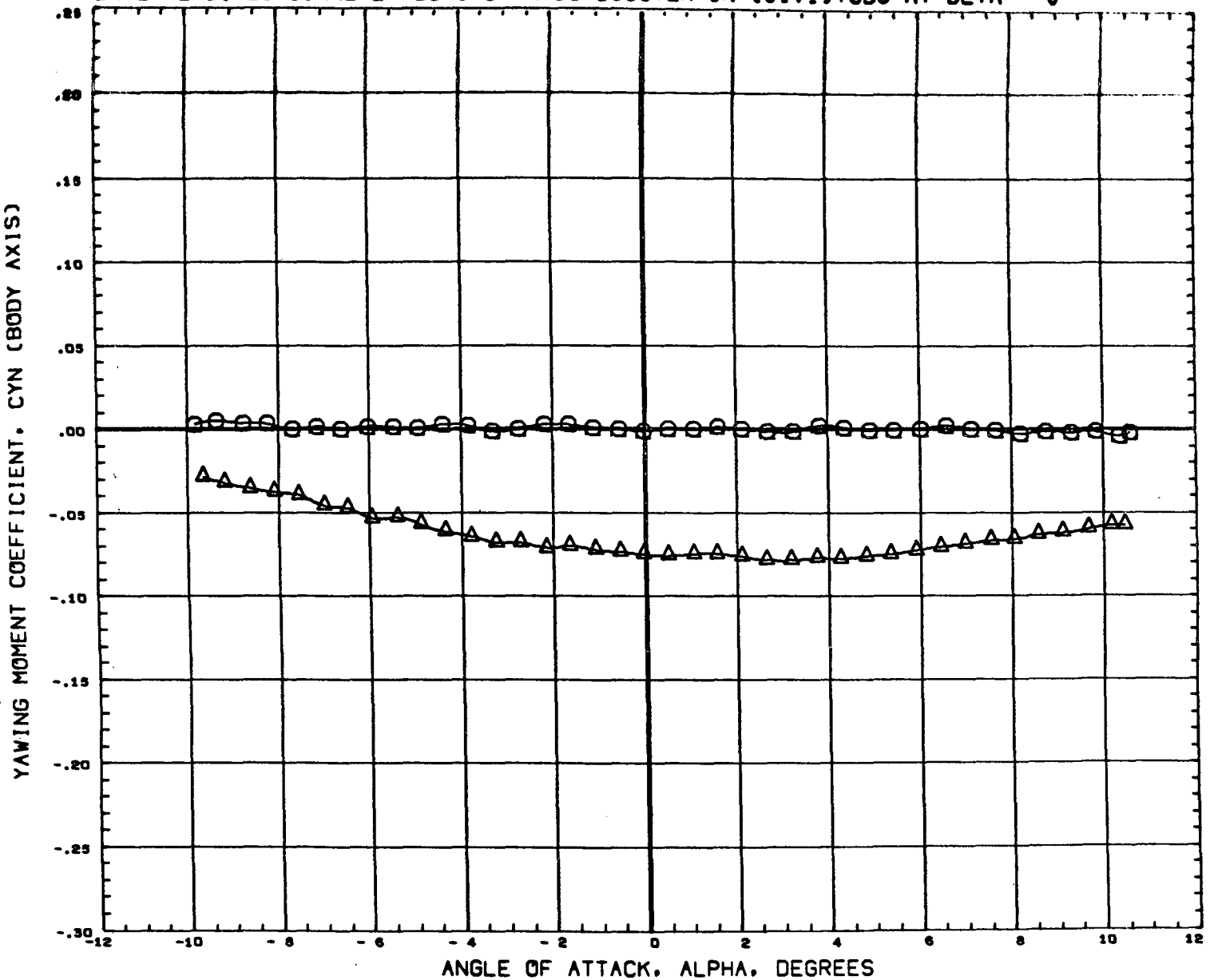


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ED74A5) (01V1)T3B5
 (RD74A6) (01V1)T3B5L (B5R)

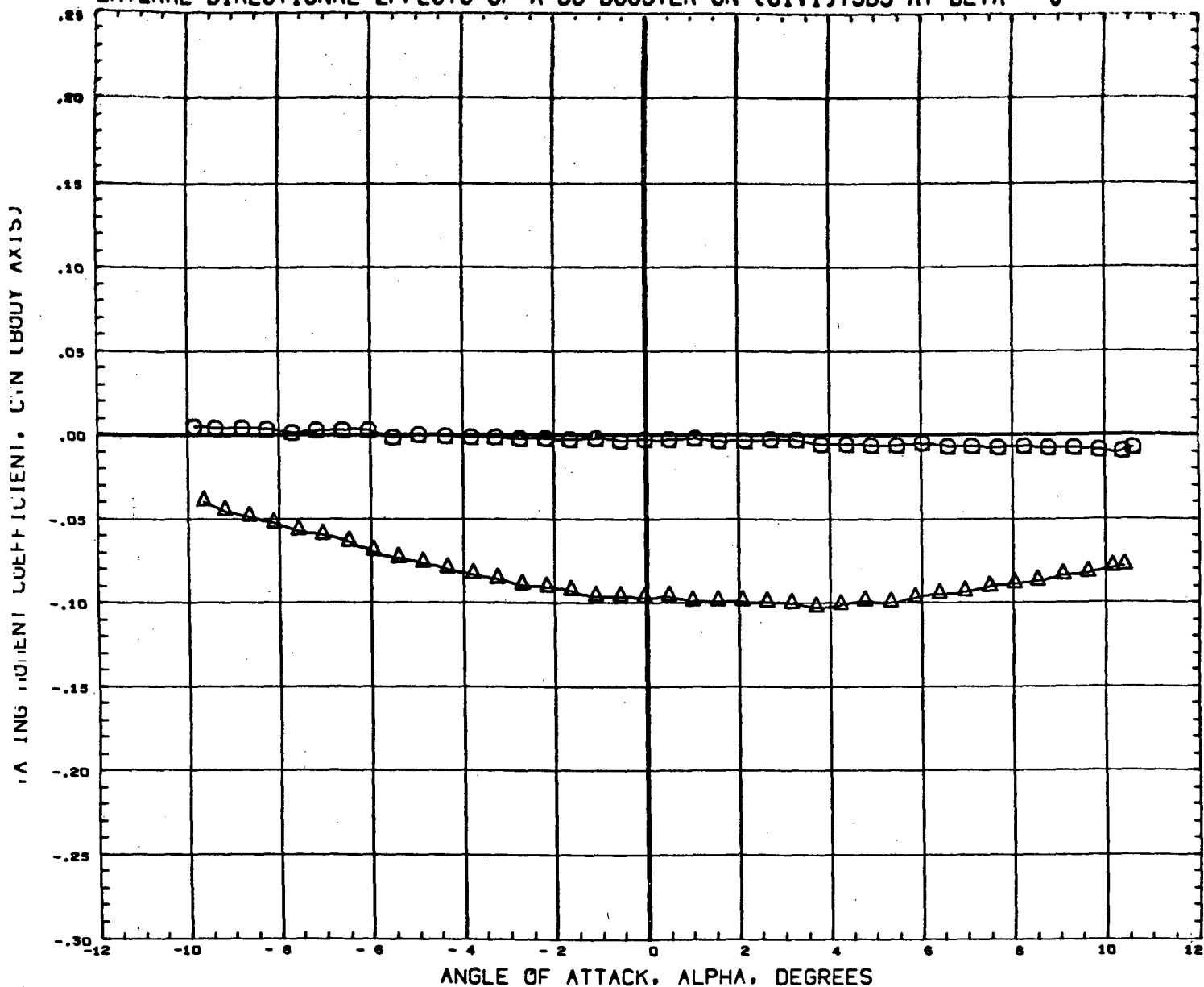
BETA ELEVTR AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 3155.3040 SQ.FT.
 LREF 609.3004 IN.
 BREF 882.0004 IN.
 XMRP 557.0004 IN.
 YMRP 0.0000 IN.
 ZMRP 200.0004 IN.
 SCALE 0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ED74A5)  MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5
(RD74A6)  MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5L (B5R)

BETA	ELEVTR	AILRON	RUDDER
0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000

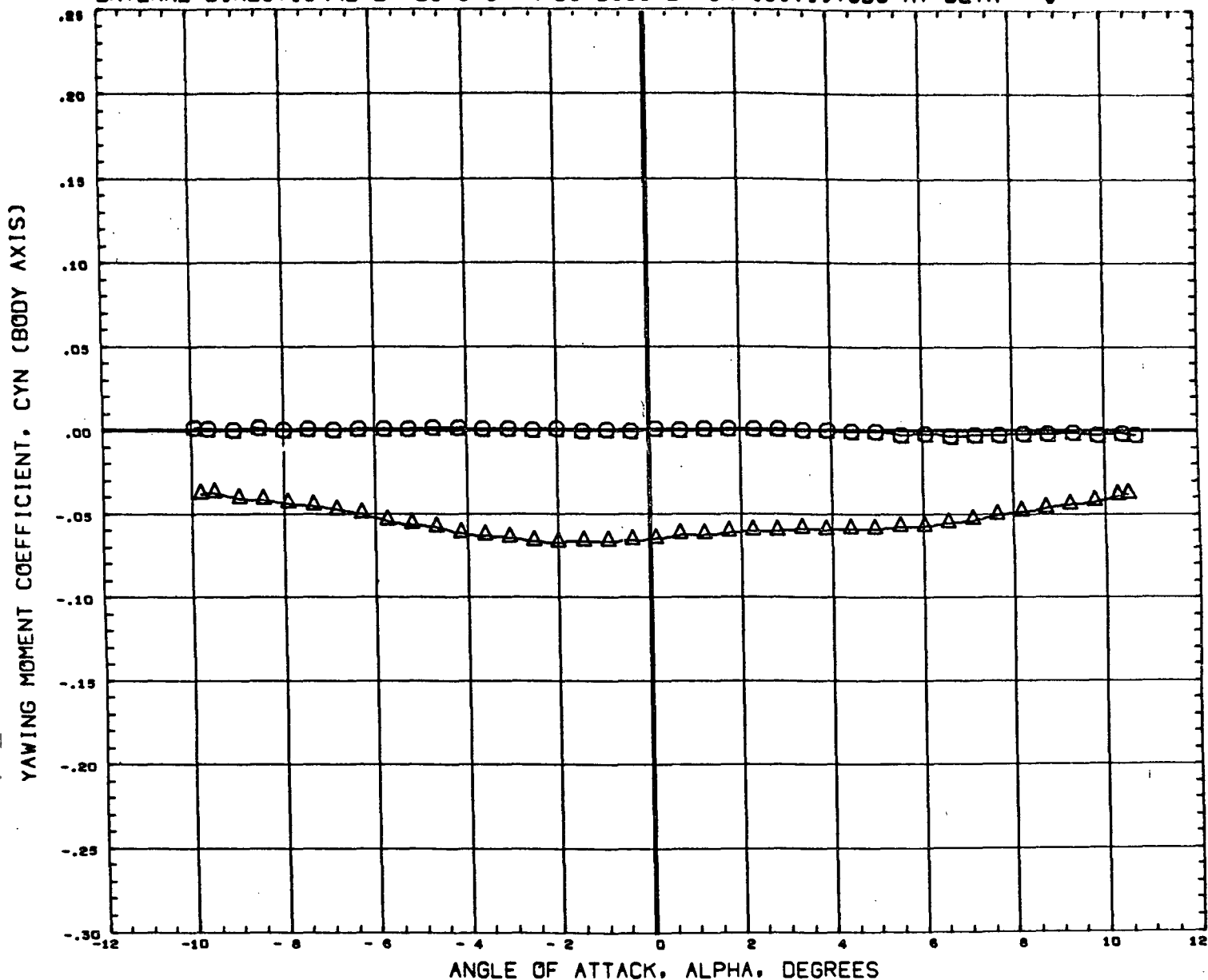
REFERENCE INFORMATION

SREF	3155.3040	SQ.FT.
LREF	609.5004	IN.
BREF	882.0004	IN.
XMRF	557.0004	IN.
YMRF	0.0000	IN.
ZMRF	200.0004	IN.
SCALE	0.0060	

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0



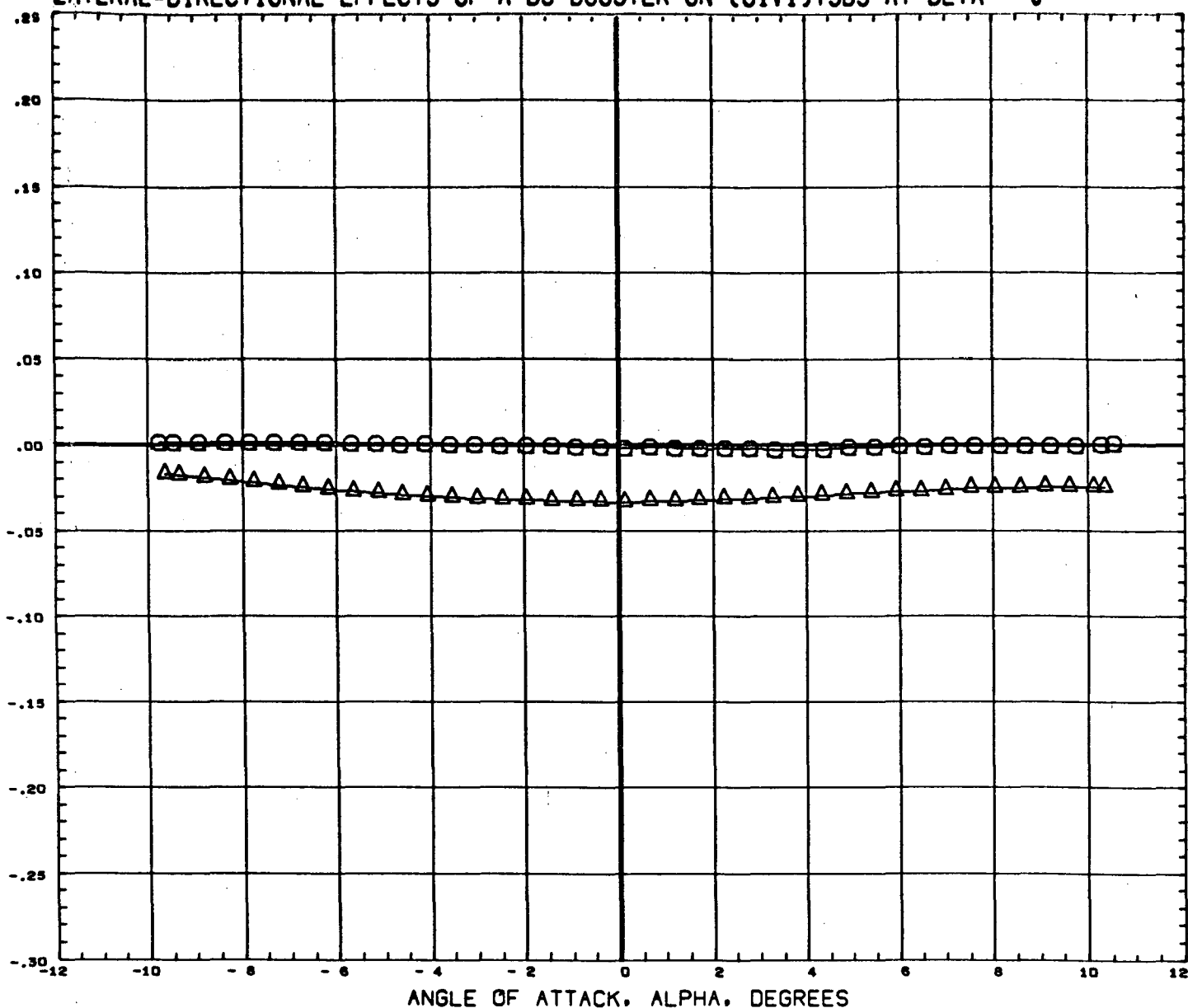
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

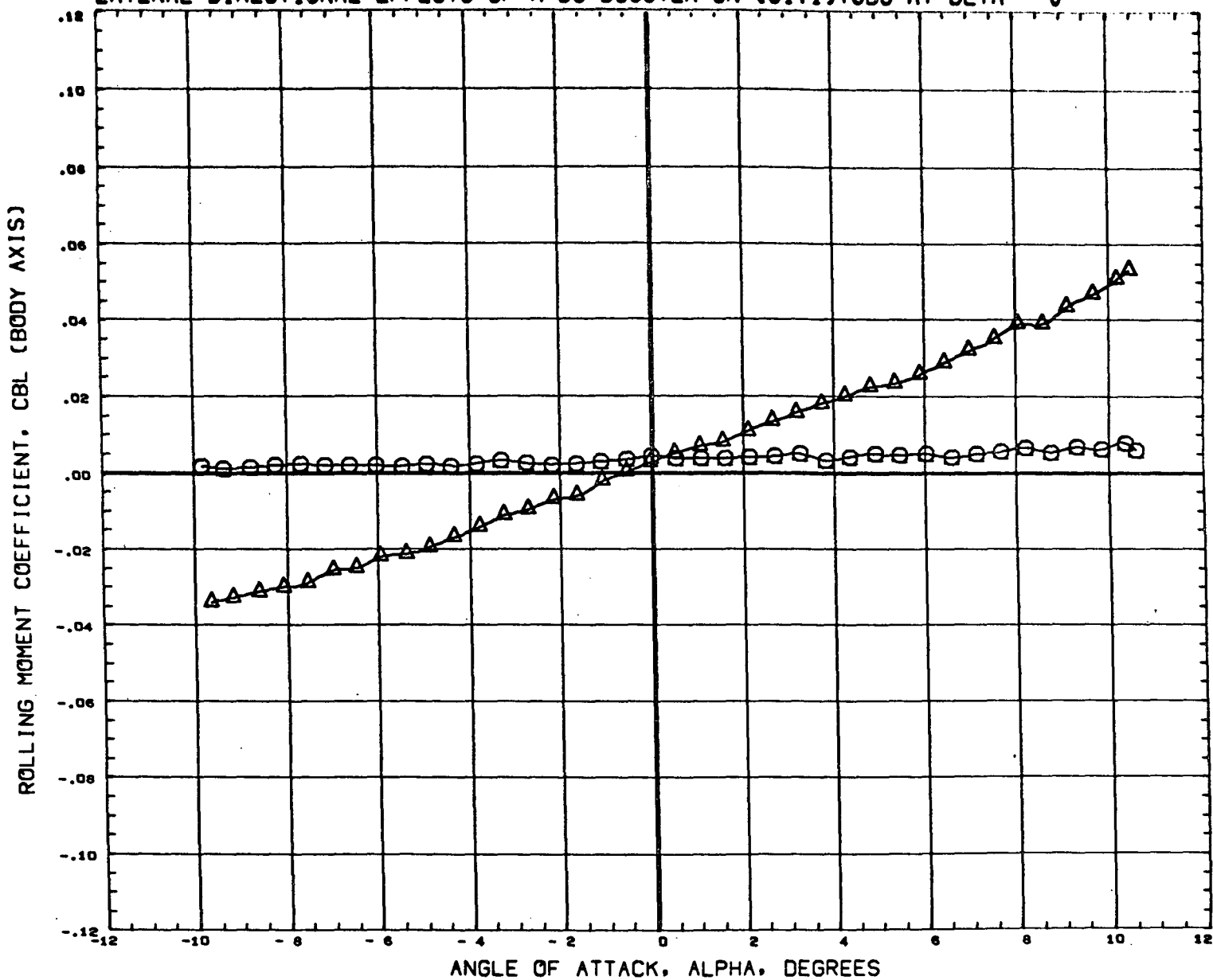


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(ED74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040	sq.ft.
(RD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004	IN.
						BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0



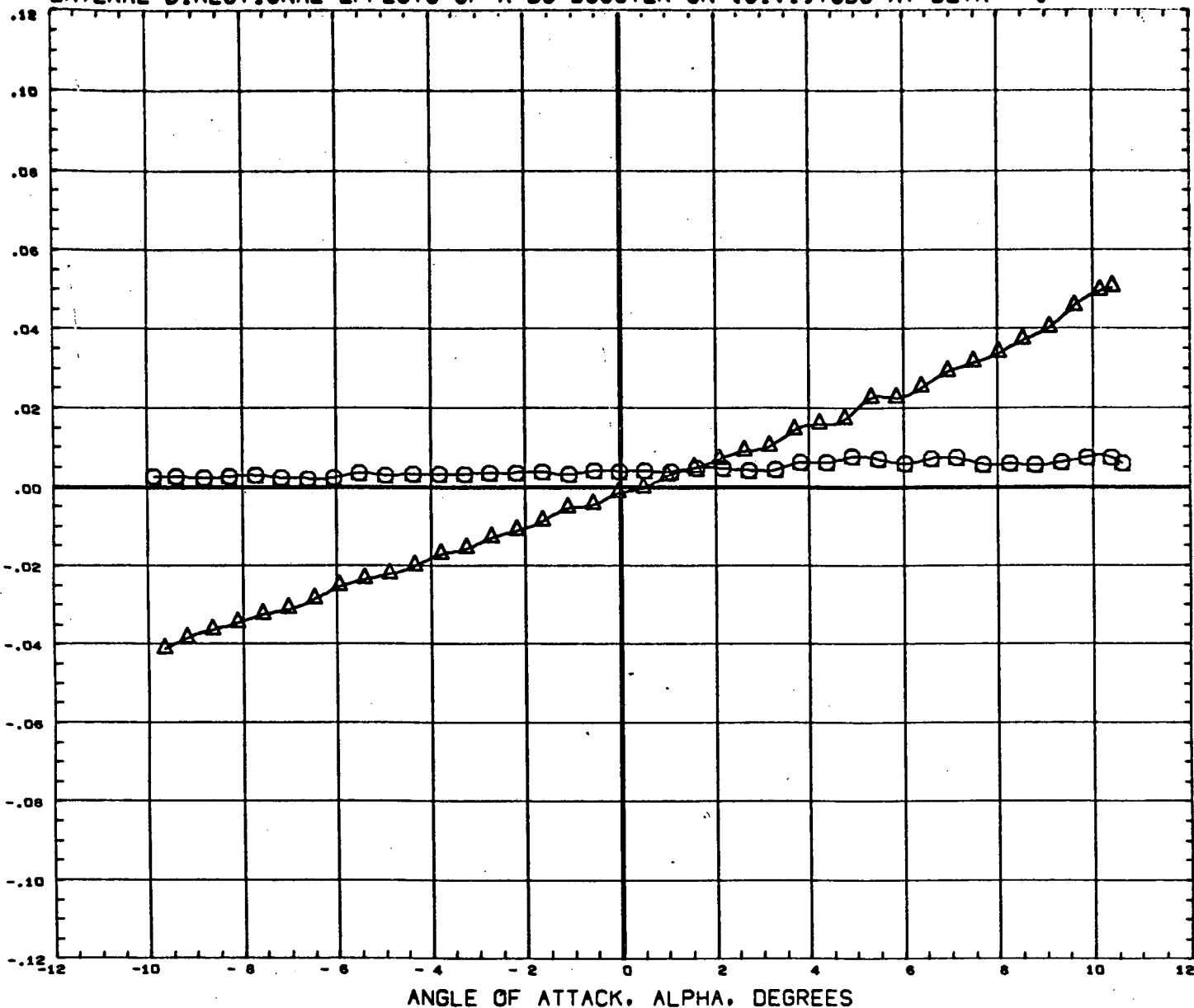
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED74A5)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A6)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

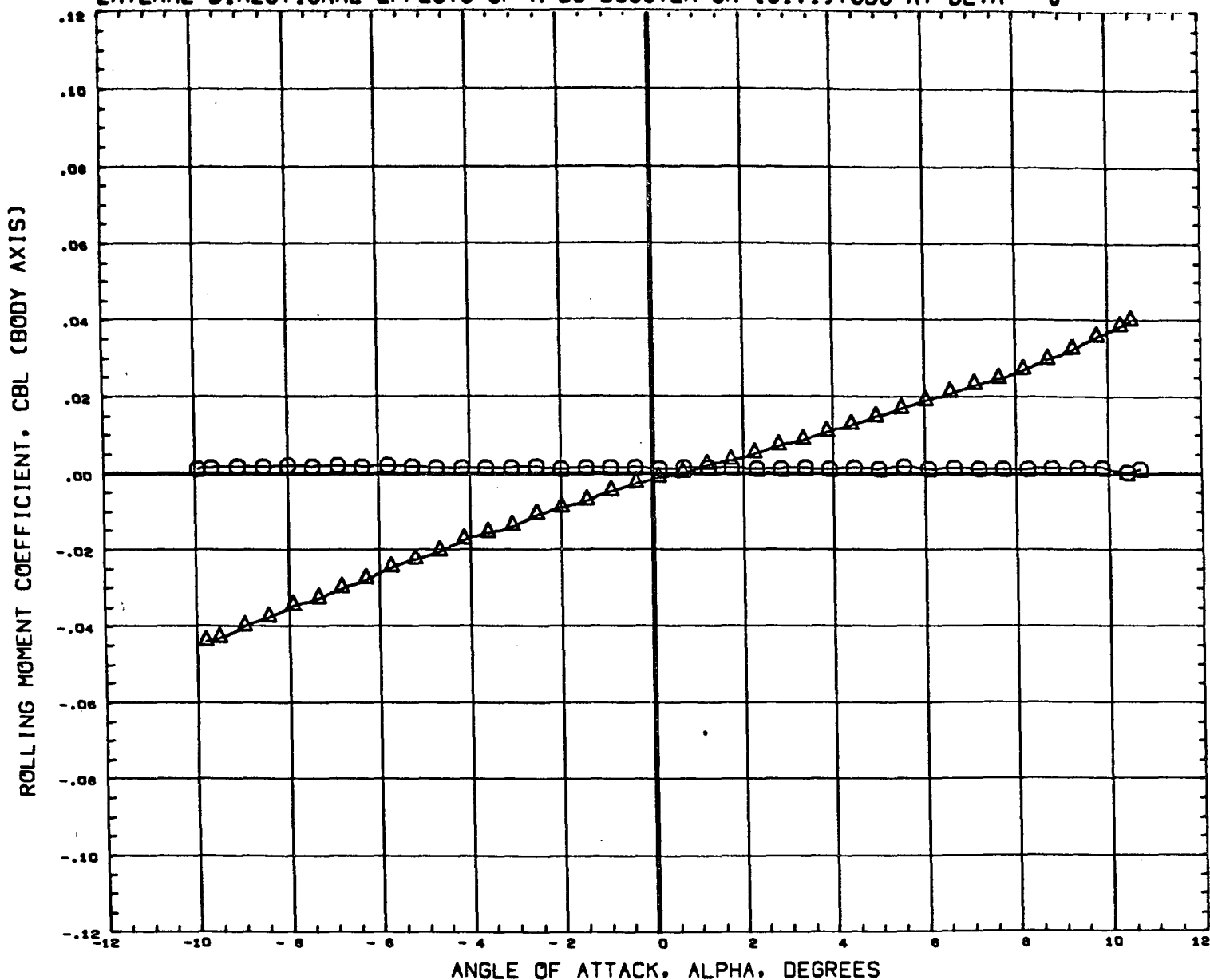


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED74A5)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A8)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 0

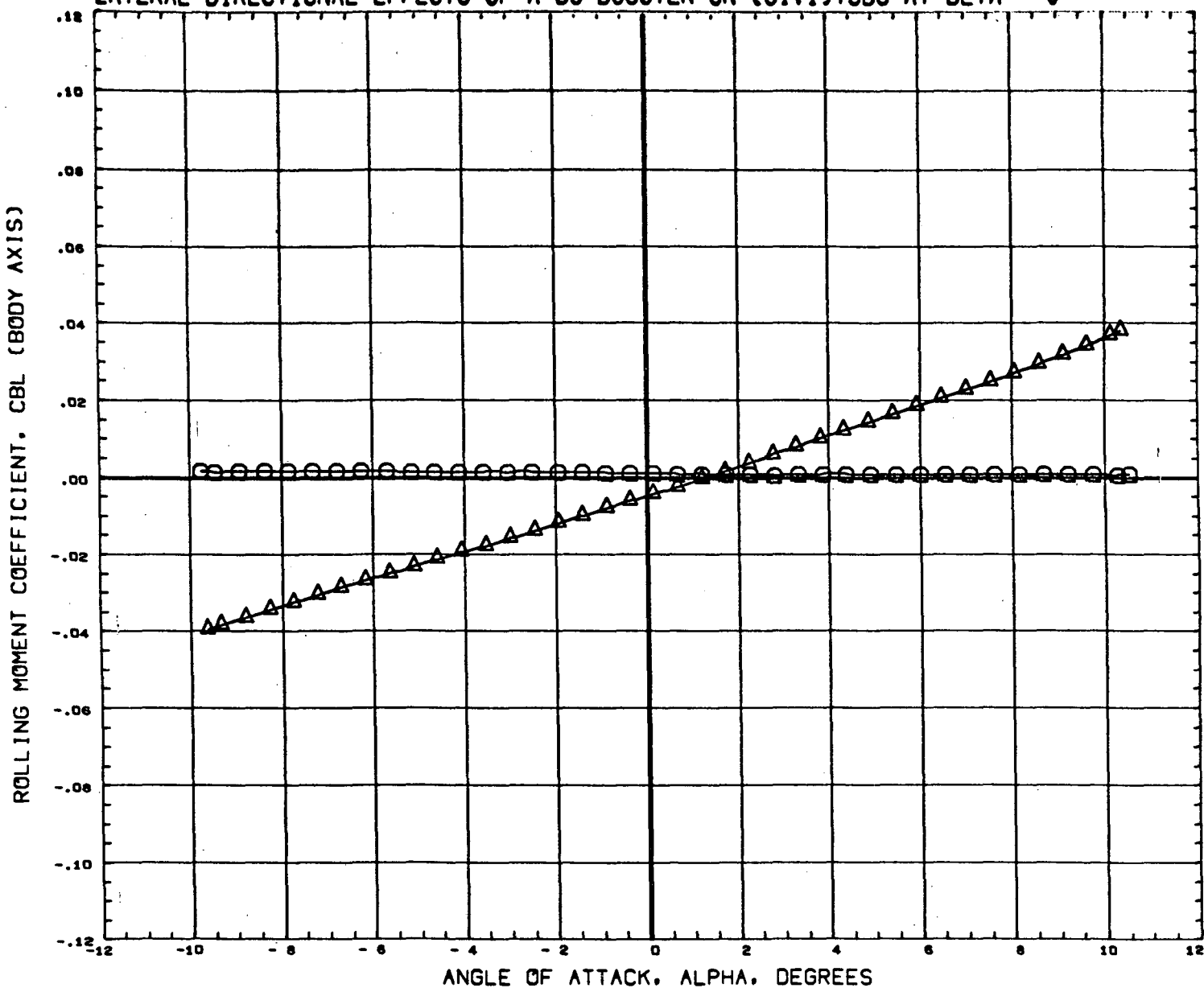


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED74A5)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A8)	MDAC S-222 COMPOSITE (T-CG) (01V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 AT BETA = 0

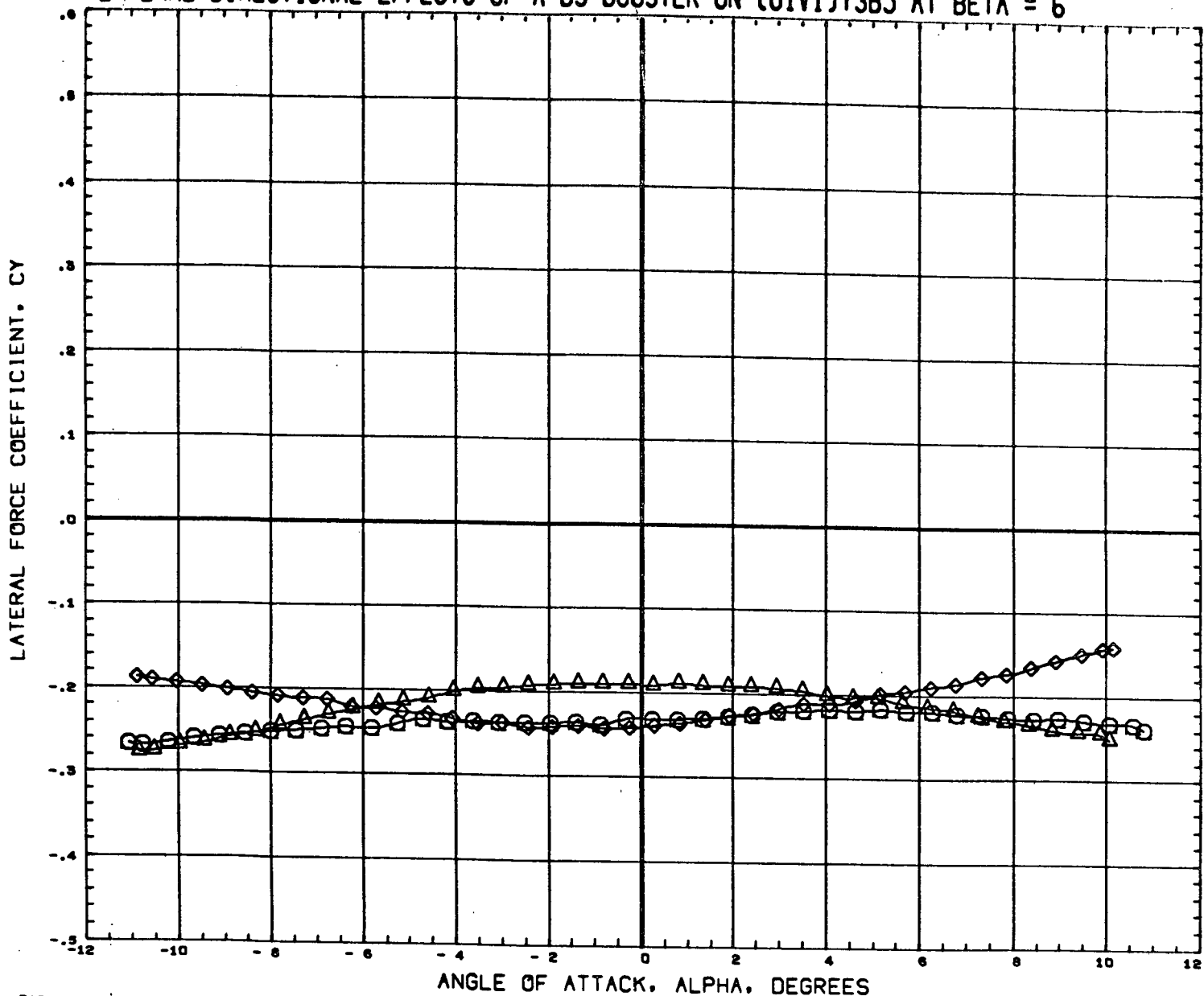


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(ED74A5)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ. FT.
(RD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 4.47

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 6

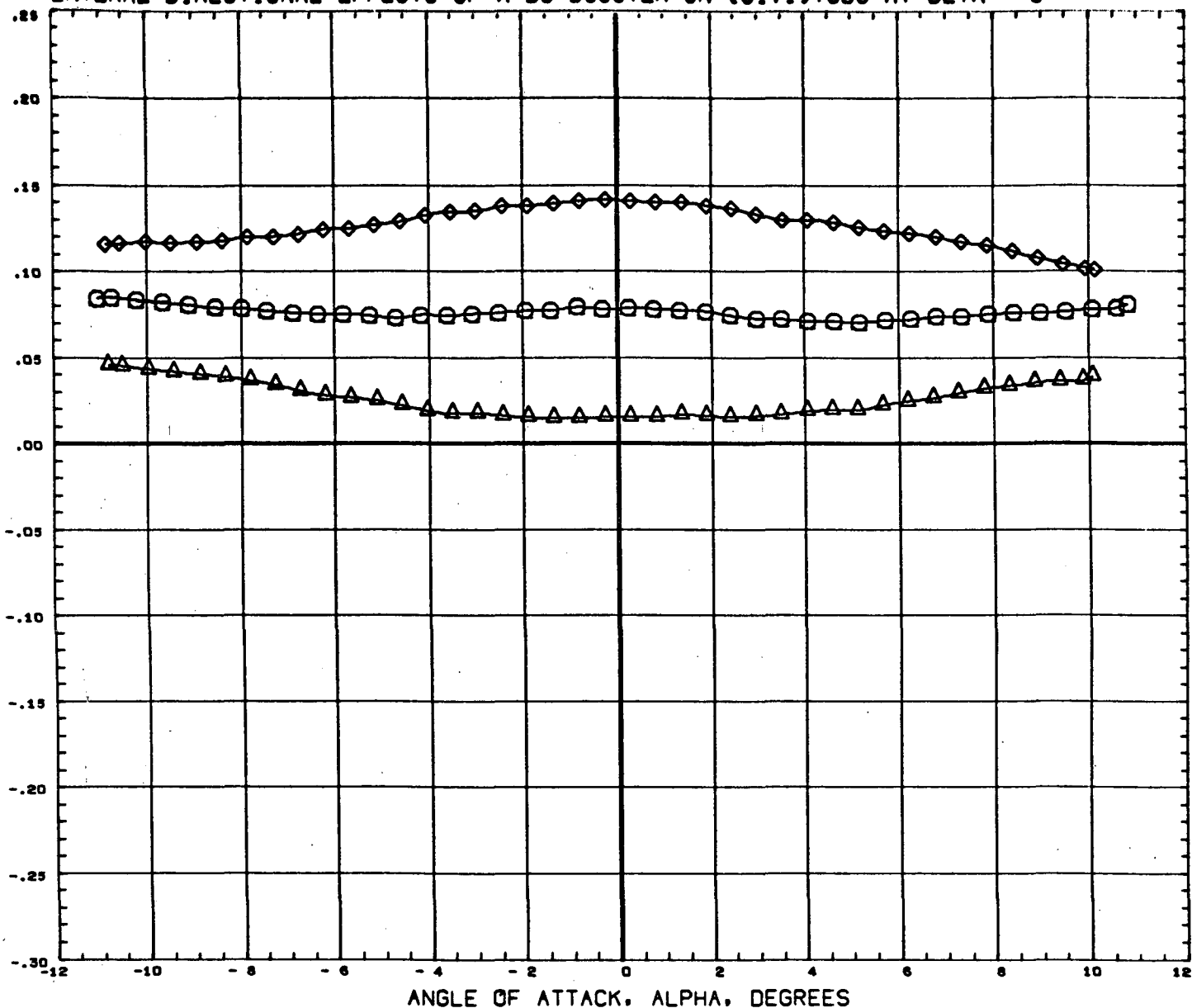


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74A7)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74B1)	MDAC S-222 COMPOSITE (T-CG) (01) V1 T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD74B2)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 2.20

LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 6

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

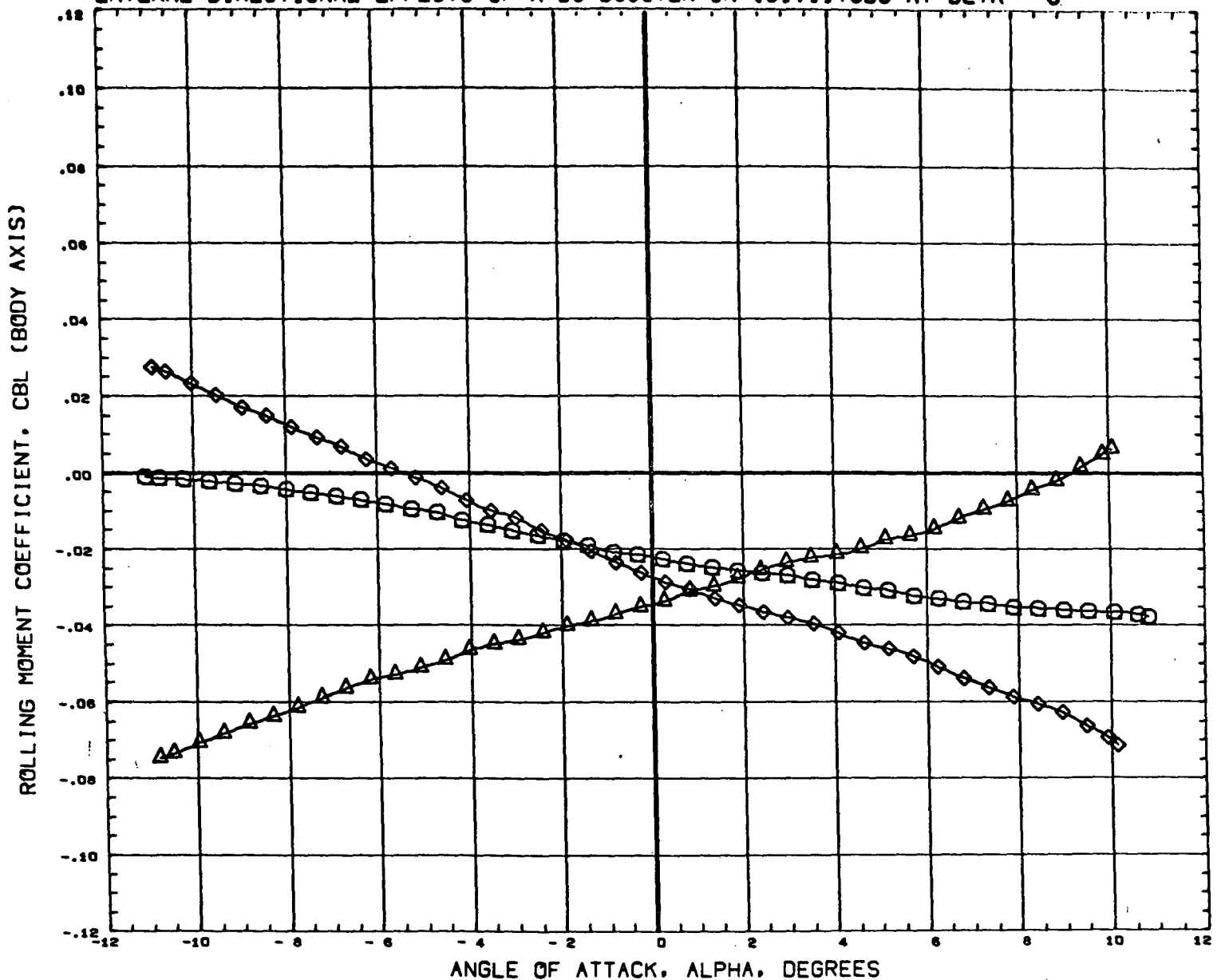


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74A7)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74B1)	MDAC S-222 COMPOSITE (T-CG) (01) V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004 IN.
(RD74B2)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 AT BETA = 6



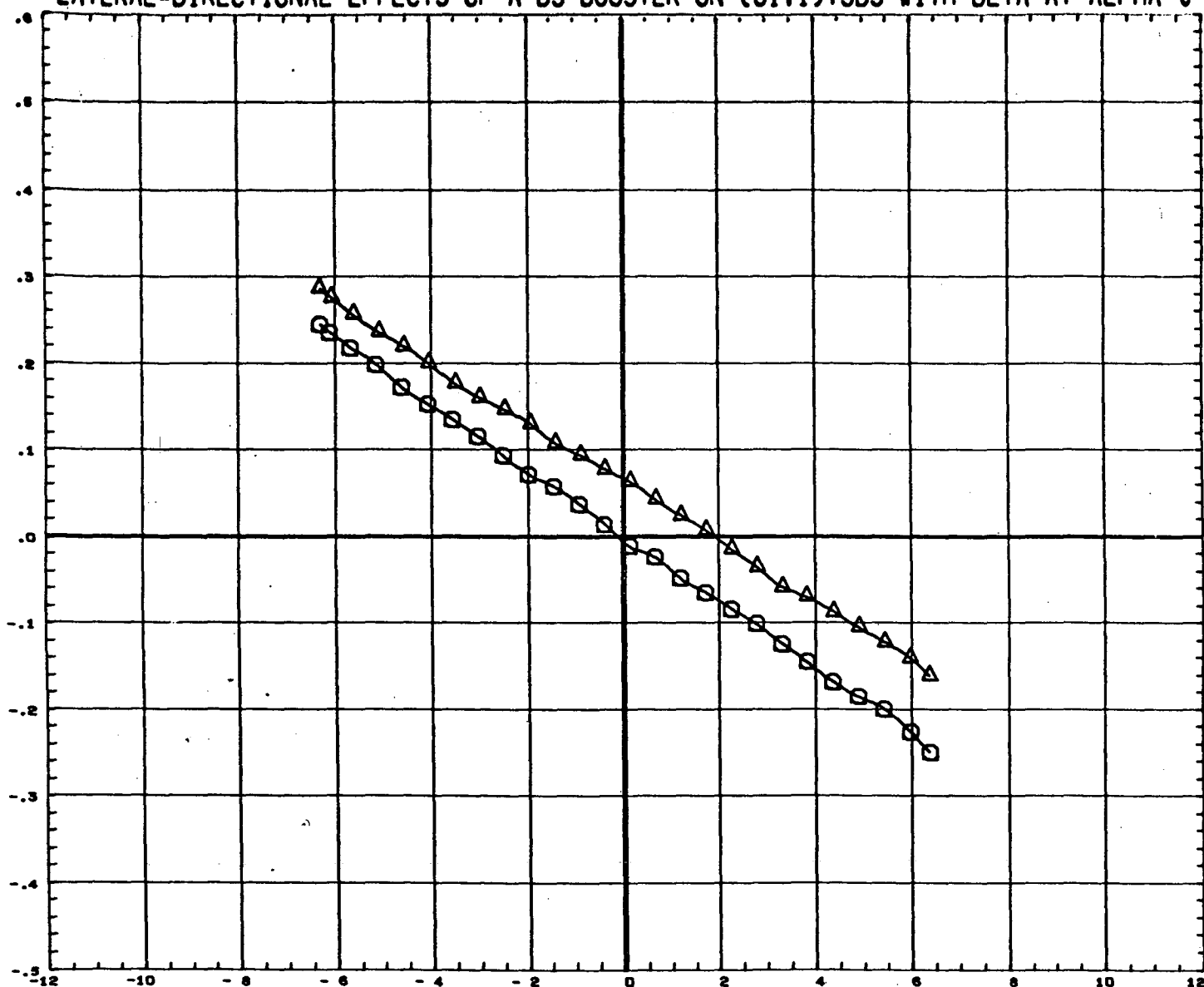
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION		
(RD74A7)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	6.000	0.000	0.000	0.000	SREF	3155.3040	SQ.FT.
(RD74B1)	MDAC S-222 COMPOSITE (T-CG) (01) V1T3B5L (B5R)	6.000	0.000	0.000	0.000	LREF	609.5004	IN.
(RD74B2)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3 (B5L) B5R	6.000	0.000	0.000	0.000	BREF	882.0004	IN.
						XMRP	557.0004	IN.
						YMRP	0.0000	IN.
						ZMRP	200.0004	IN.
						SCALE	0.0060	

MACH 2.20

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA=0

LATERAL FORCE COEFFICIENT, CY



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RD74A6) (RD74A9) MDAC S-222 COMPOSITE(T-CG) (O1V1)T3B5
MDAC S-222 COMPOSITE(T-CG) (O1V1)T3B5L (B5R)

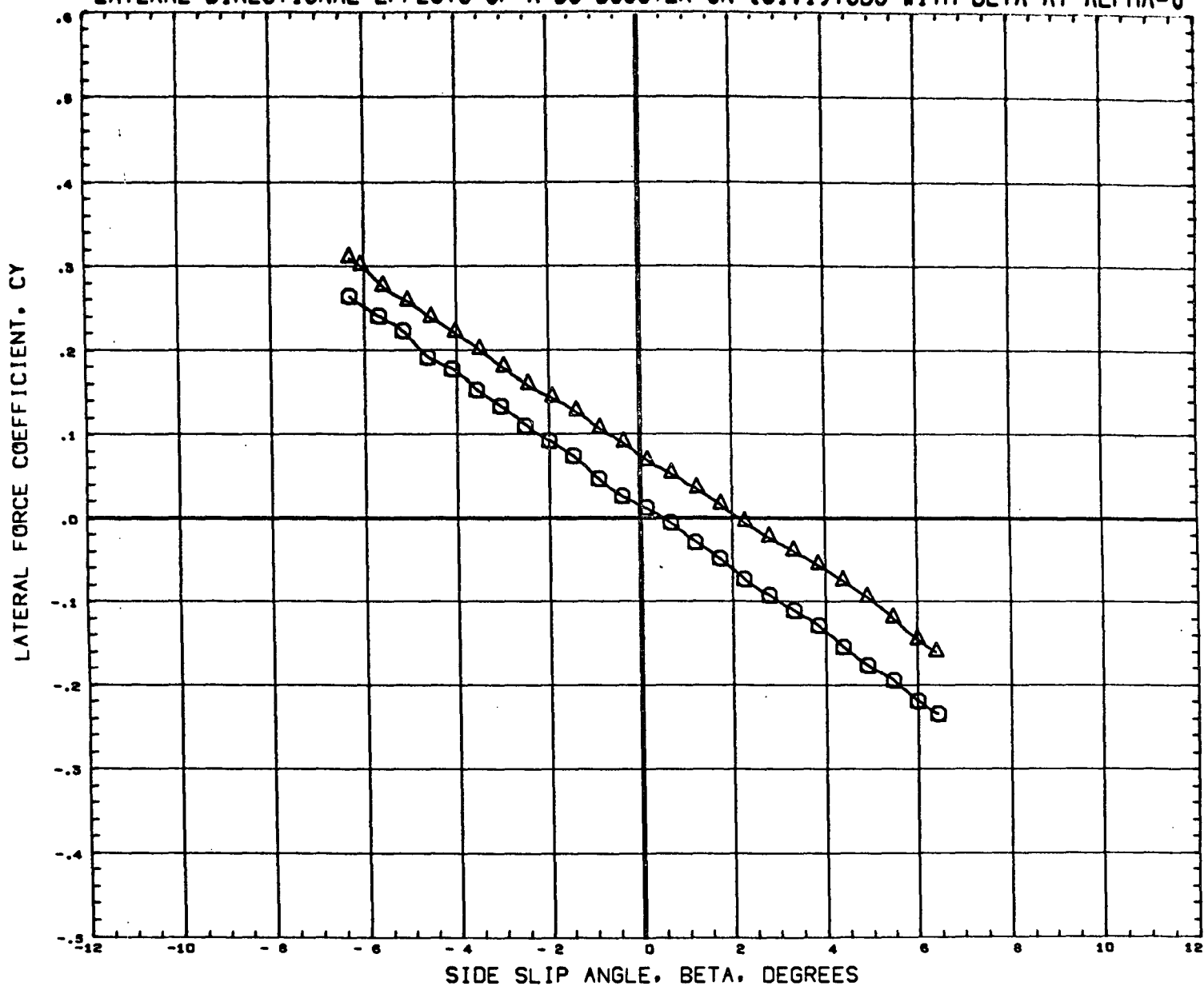
ALPHA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA=0



DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RD74A6) (O1V1) T3B5
(RD74A9) (O1V1) T3B5L (B5R)

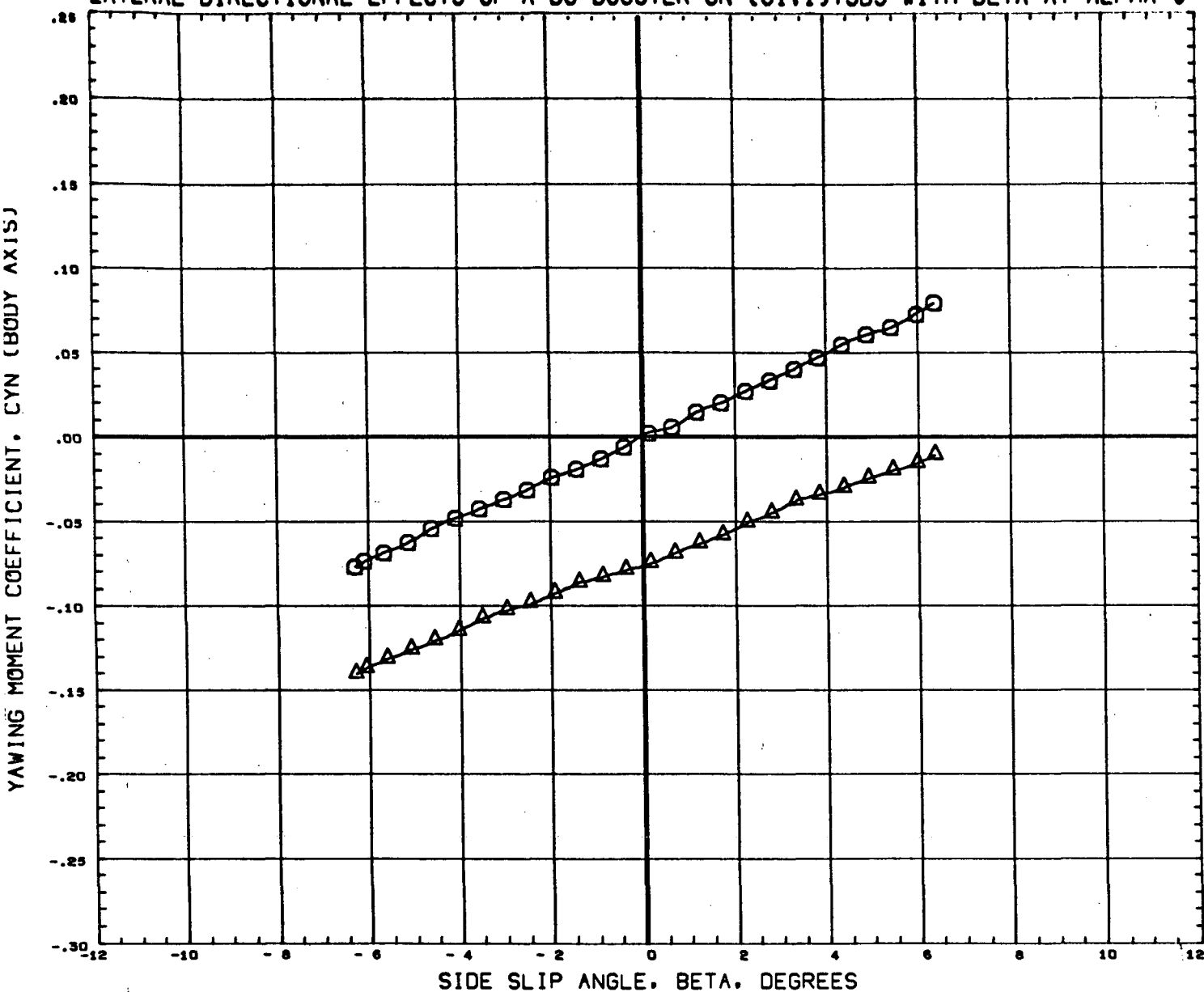
ALPHA ELEVTR AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000

REFERENCE INFORMATION
SREF 3155.3040 SQ.FT.
LREF 609.5004 IN.
BREF 882.0004 IN.
XMRP 557.0004 IN.
YMRP 0.0000 IN.
ZMRP 200.0004 IN.
SCALE 0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA=0

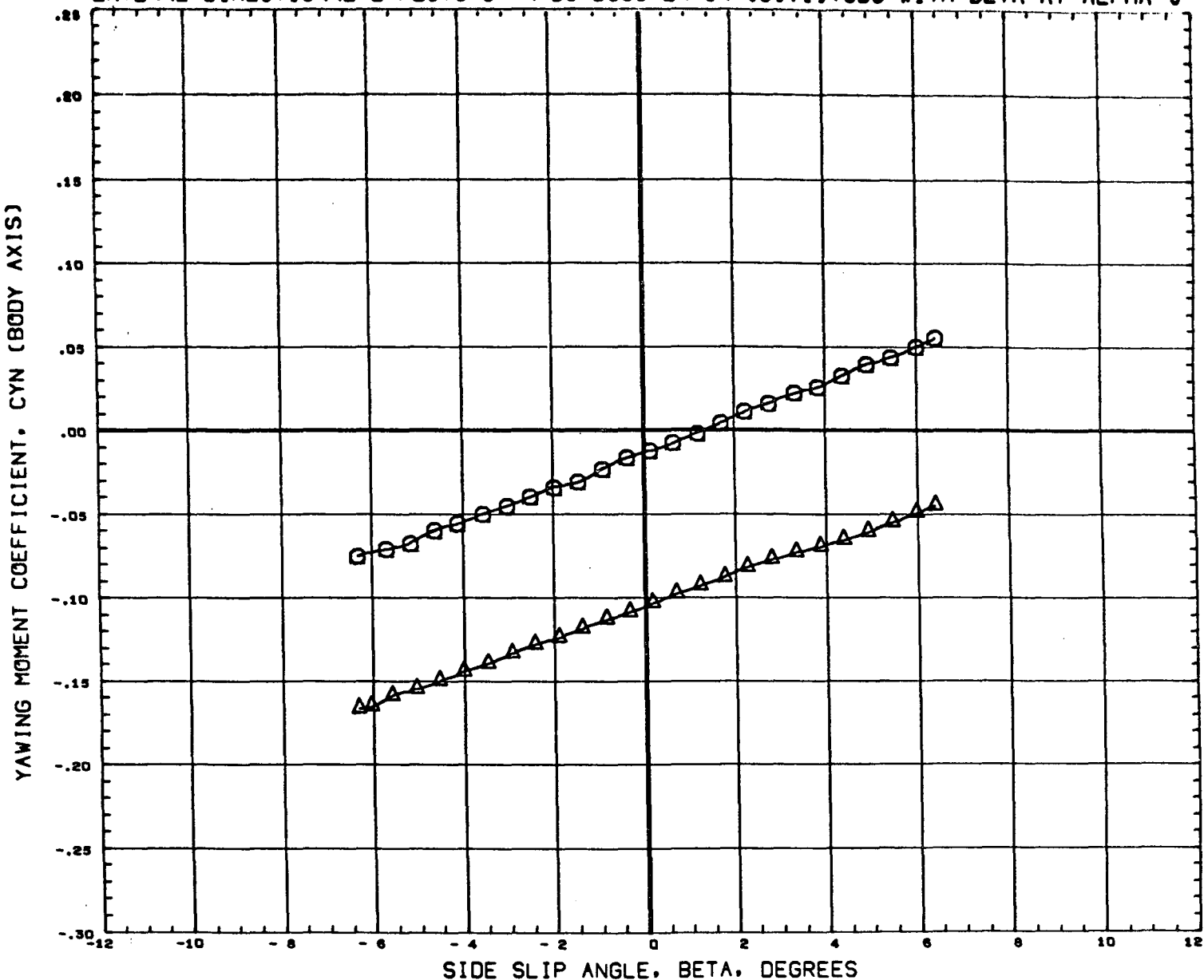


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74A6)	NDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A9)	NDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	357.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA=0

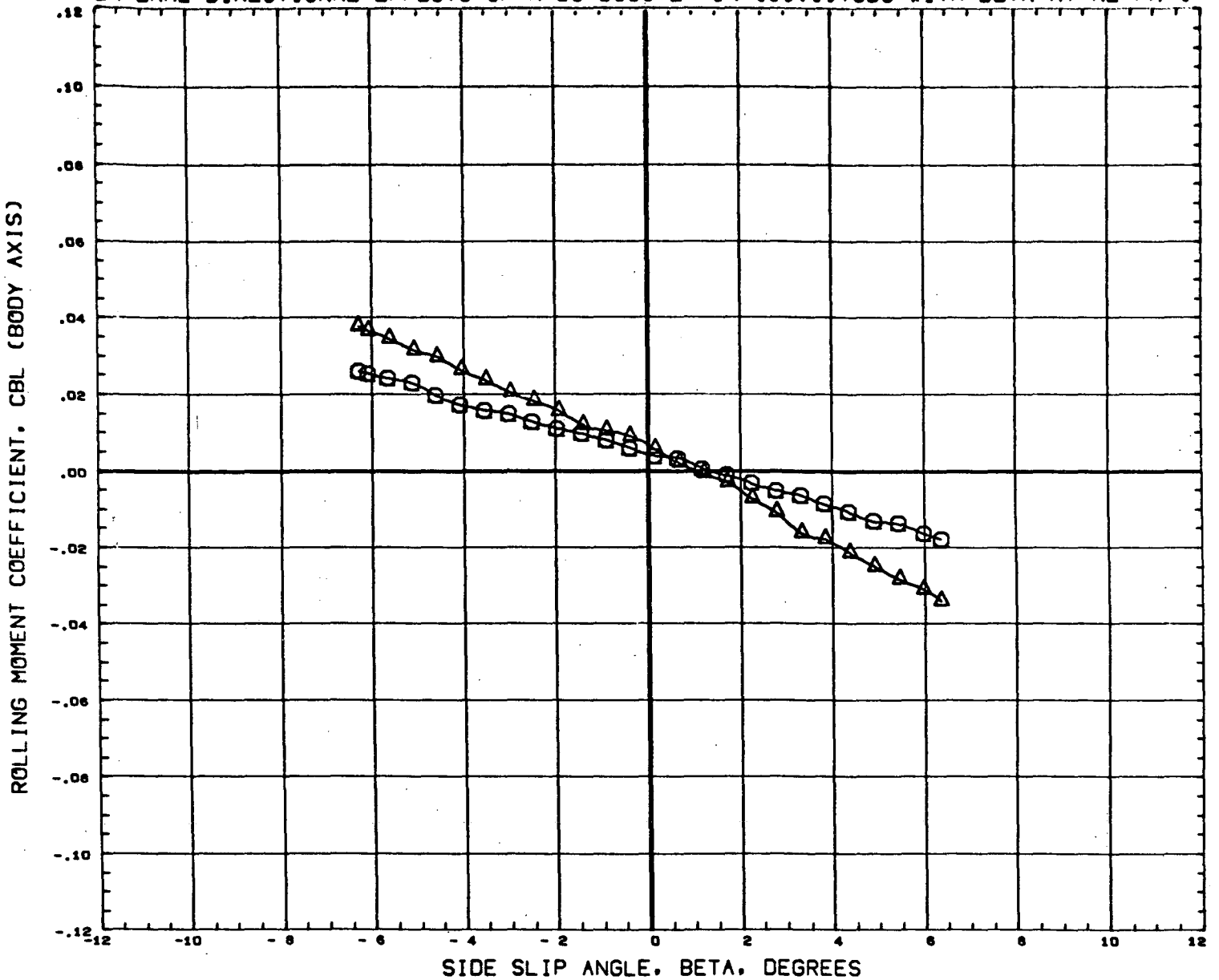


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 WITH BETA AT ALPHA=0

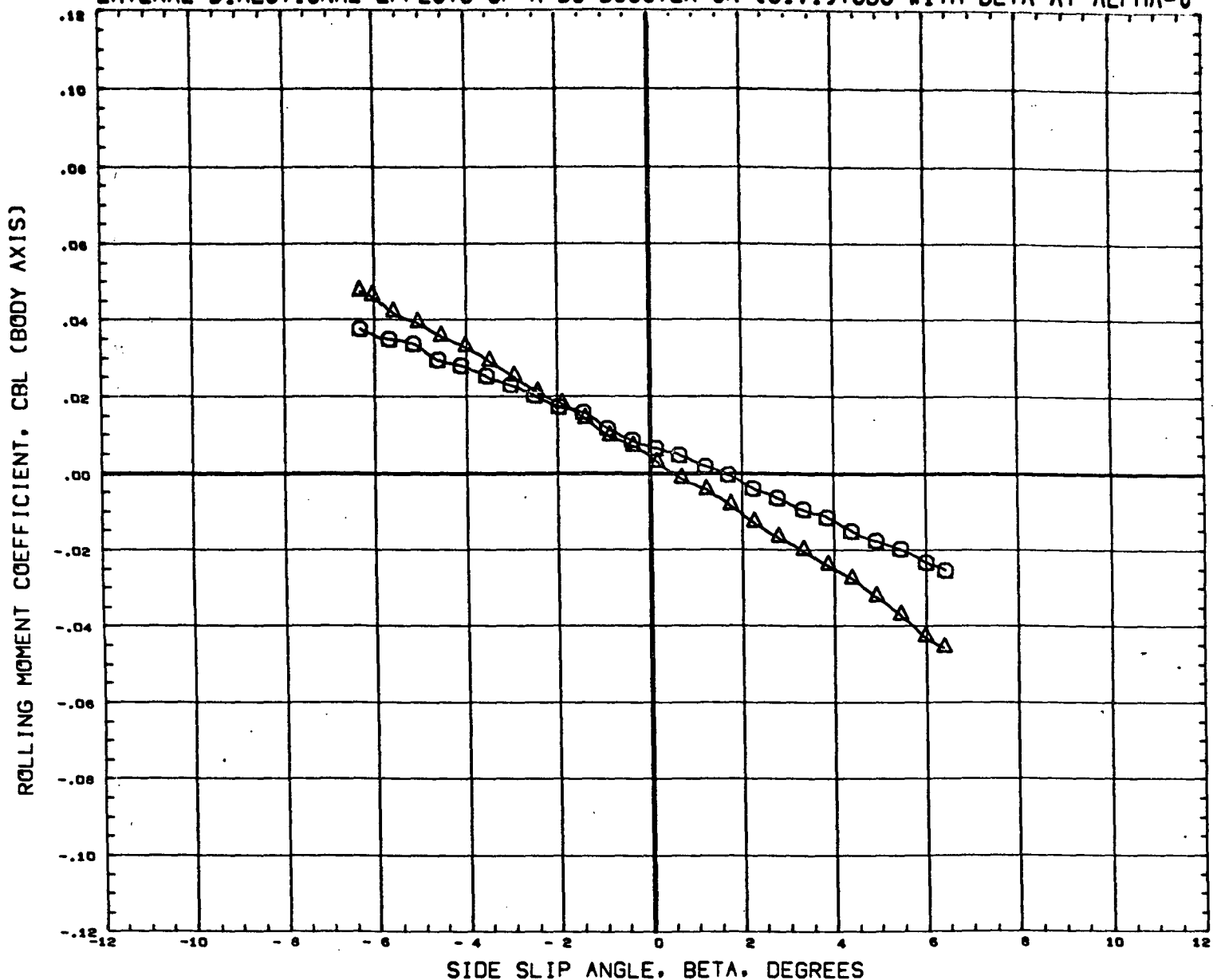


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74A6)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A9)	MDAC S-222 COMPOSITE(T-CG) (01V1)T3B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.3004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LATERAL-DIRECTIONAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA=0

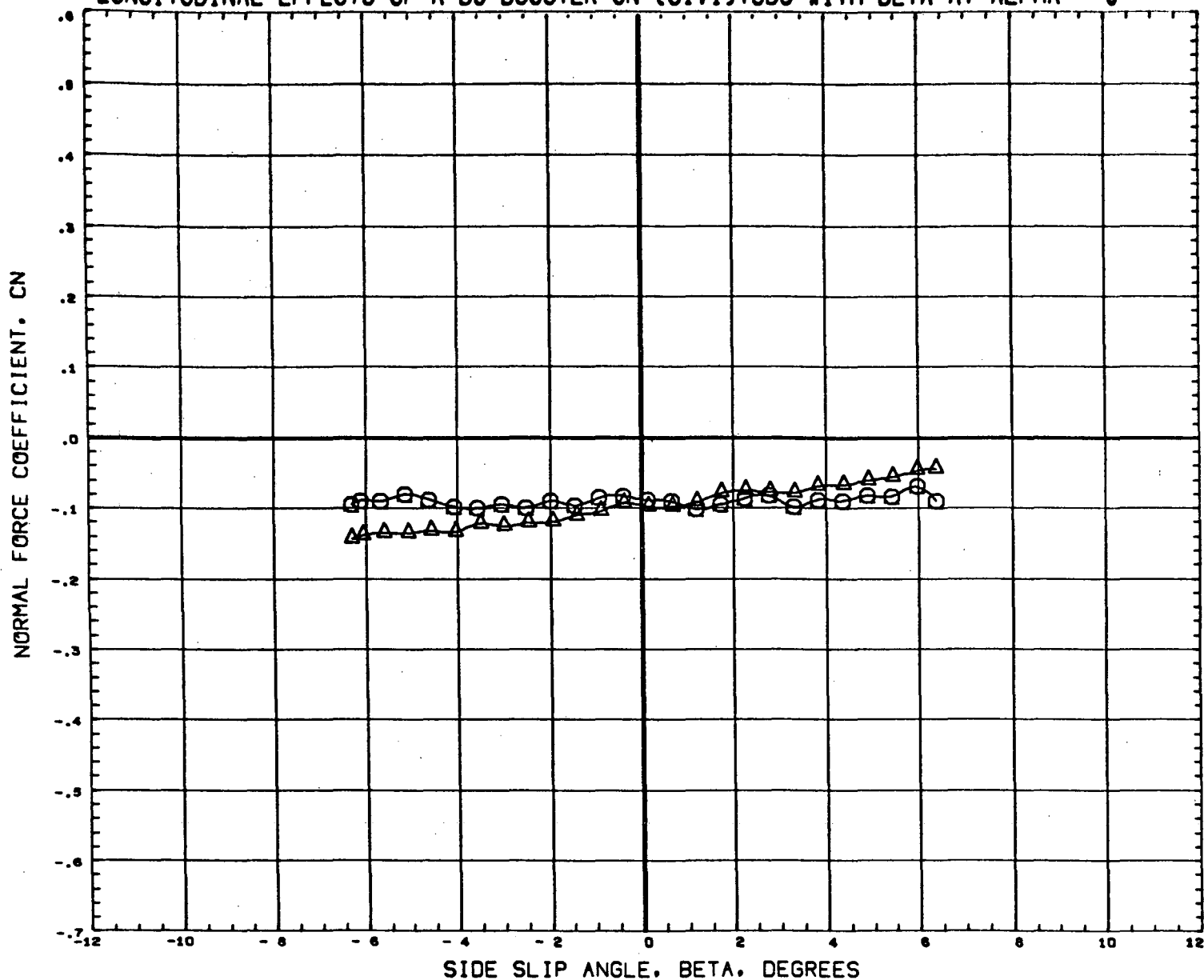


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(RD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(RD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L(B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

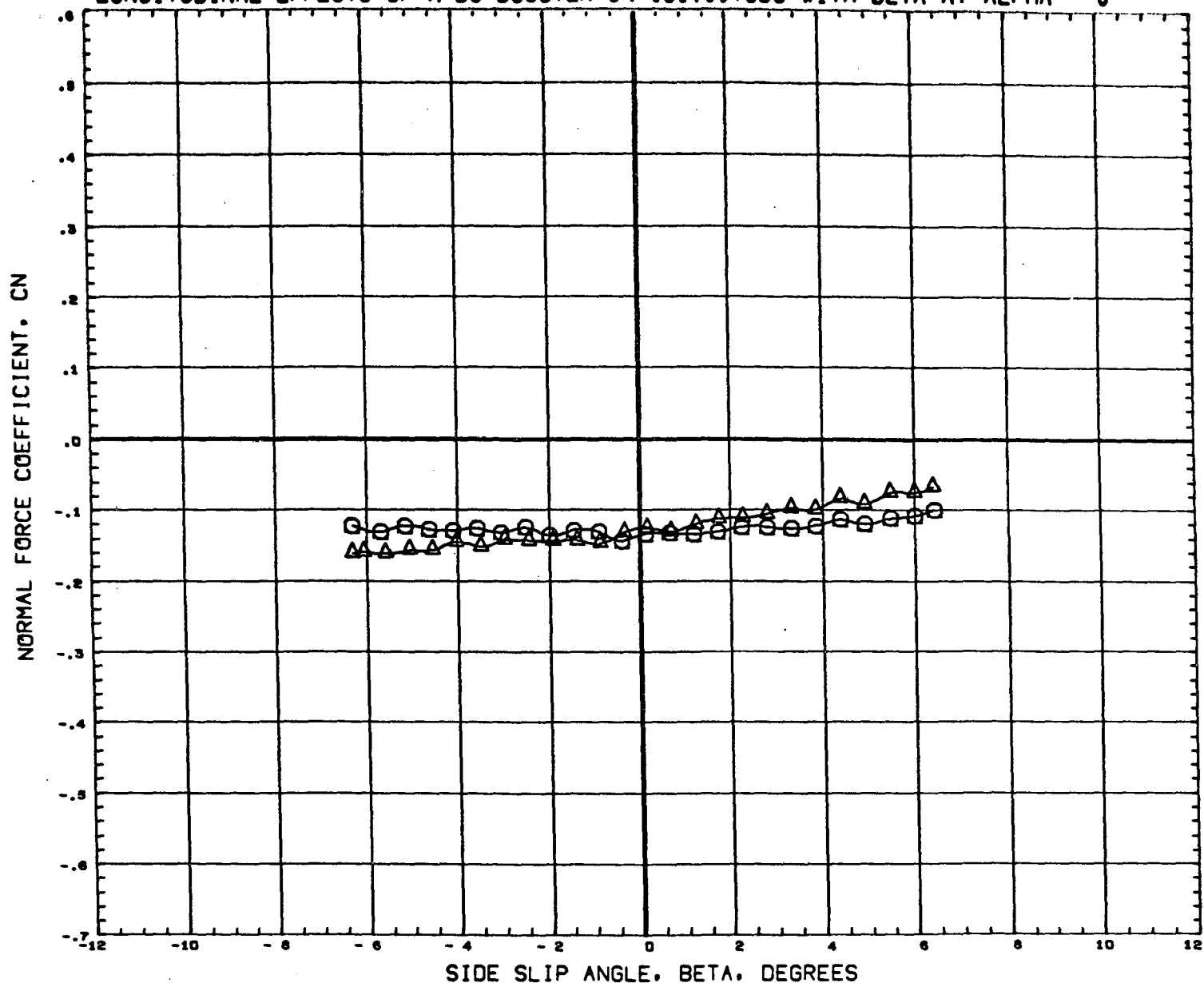


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

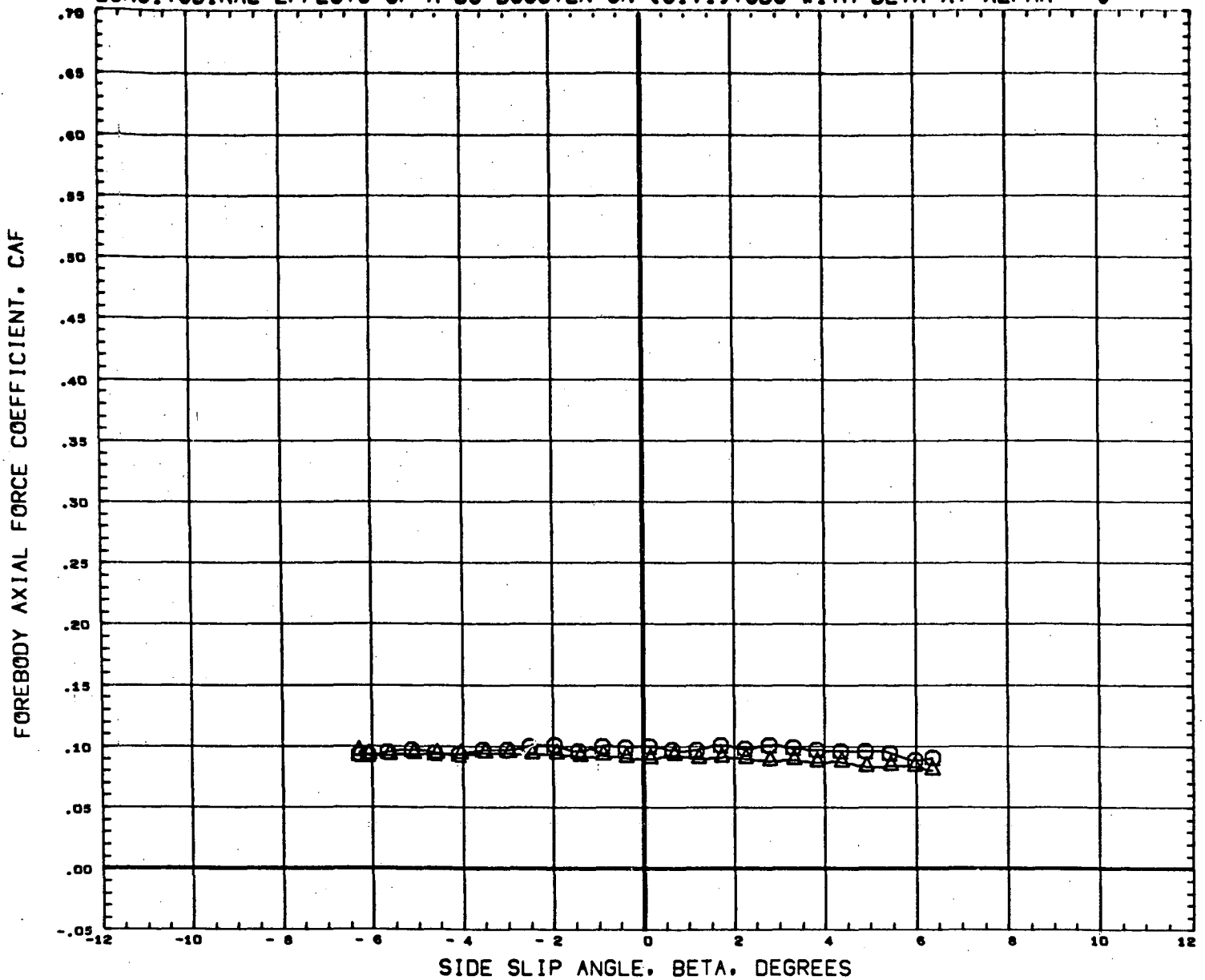


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	809.5004 IN.
						BREF	882.0004 IN.
						YMRP	537.0004 IN.
						ZMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

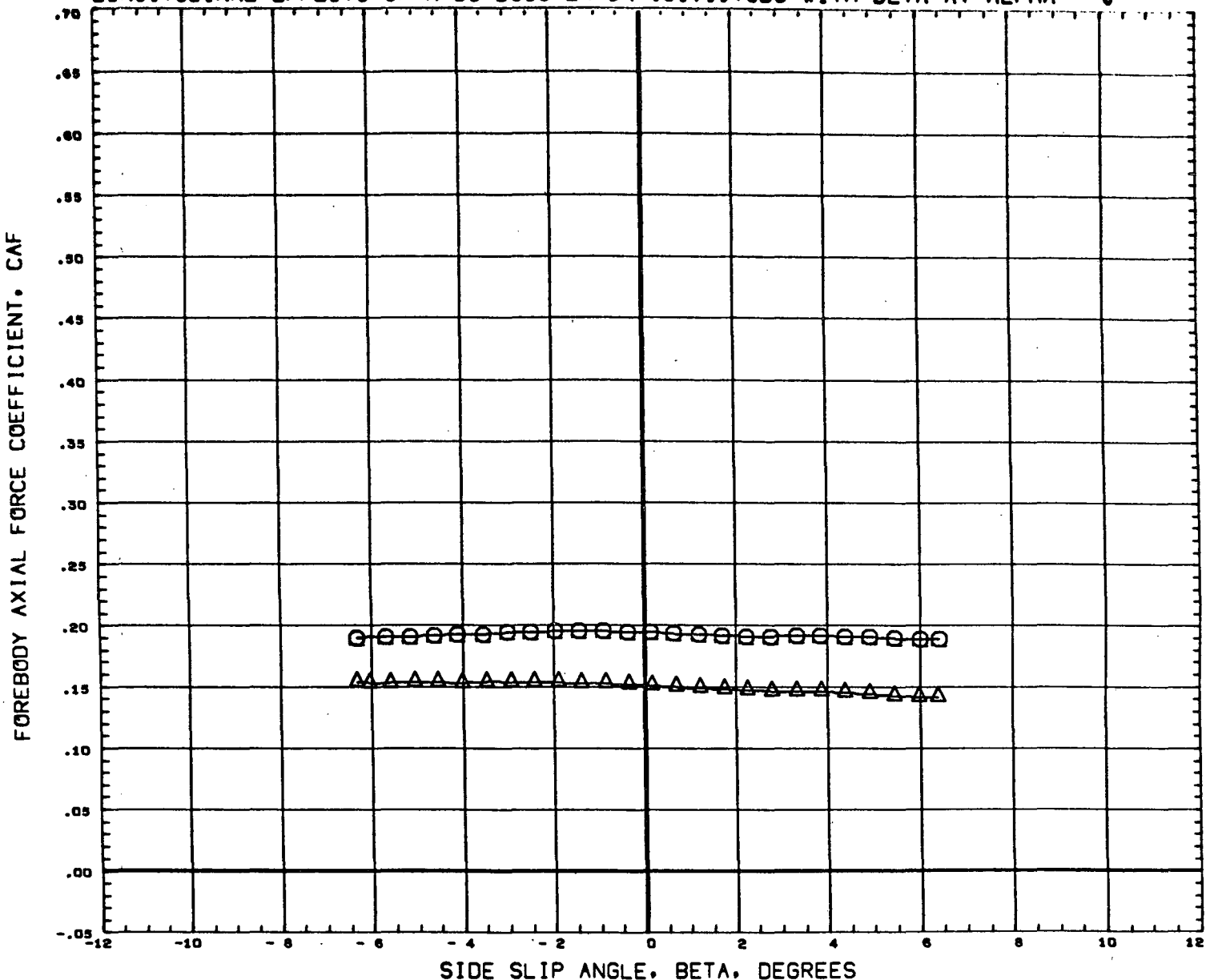


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

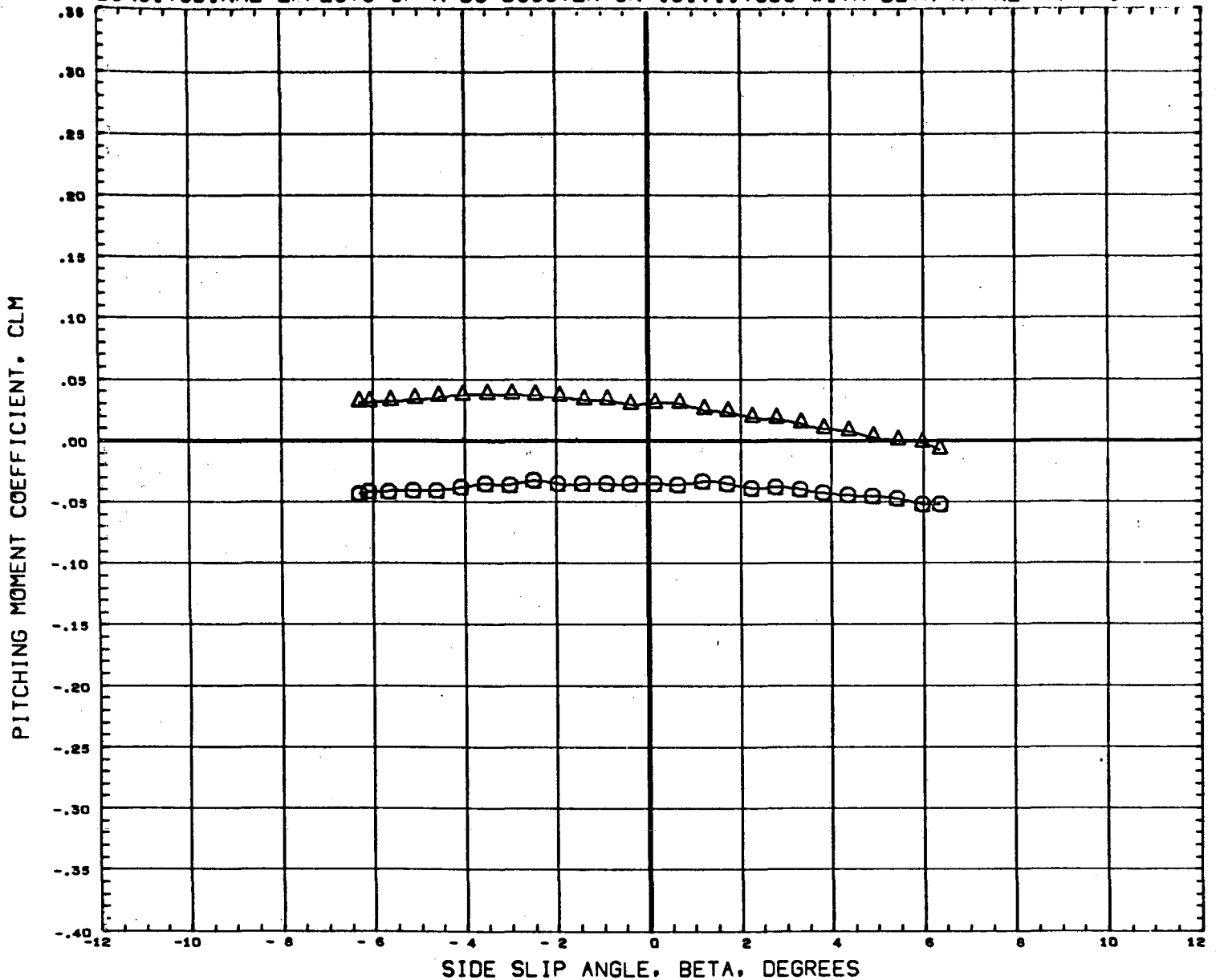


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A8)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

PAGE 704

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

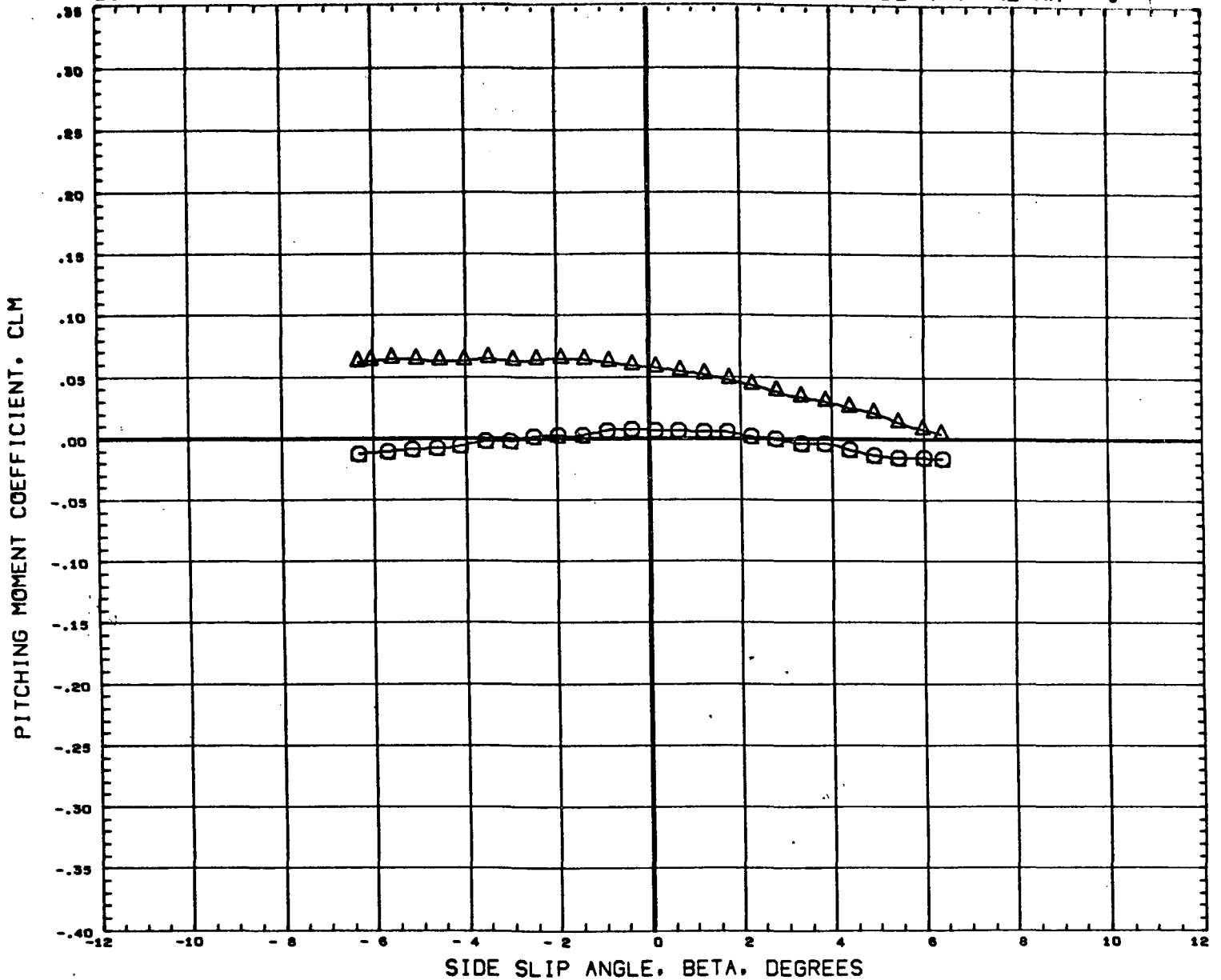


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1)T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	557.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH .90

PAGE 705

LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

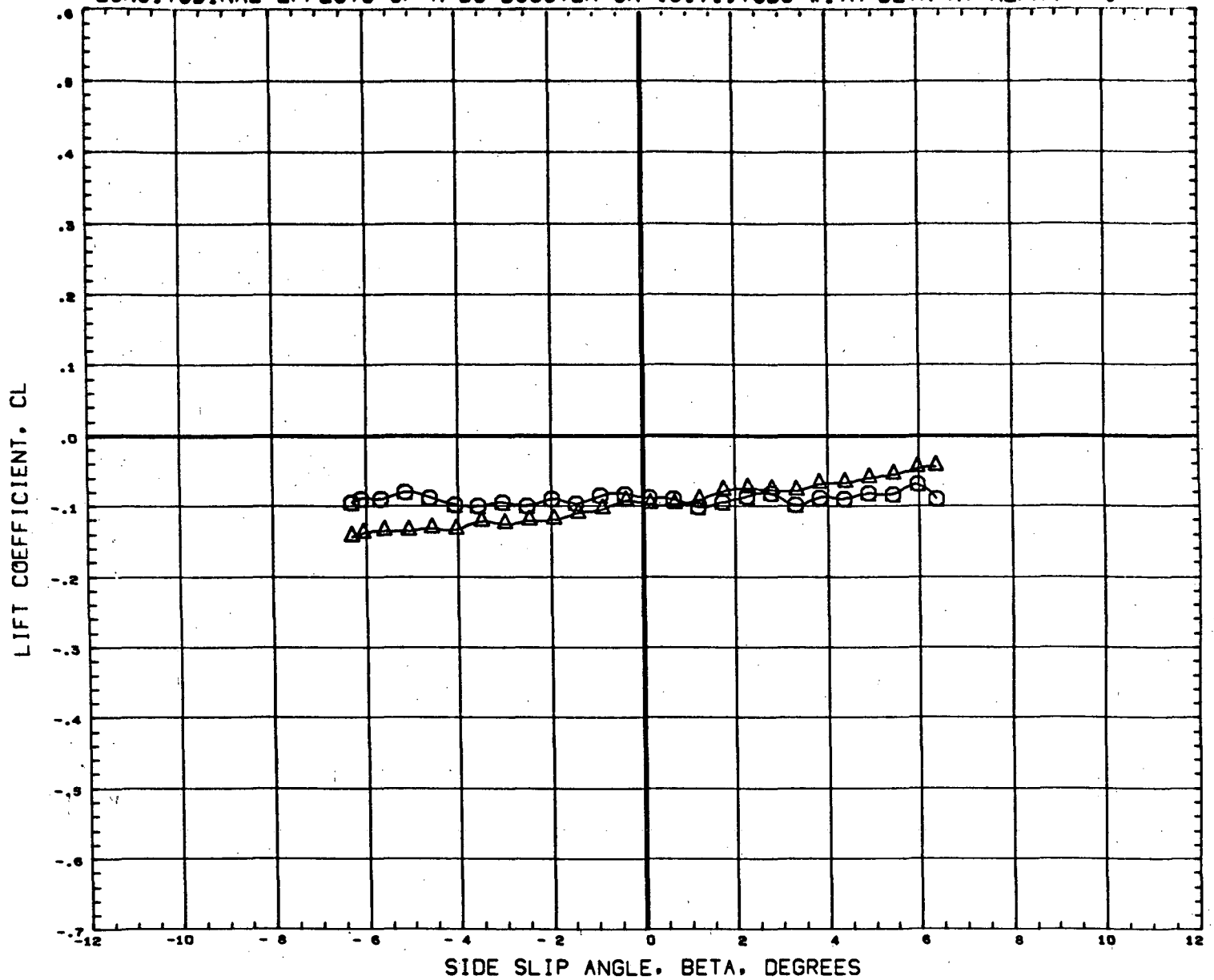


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

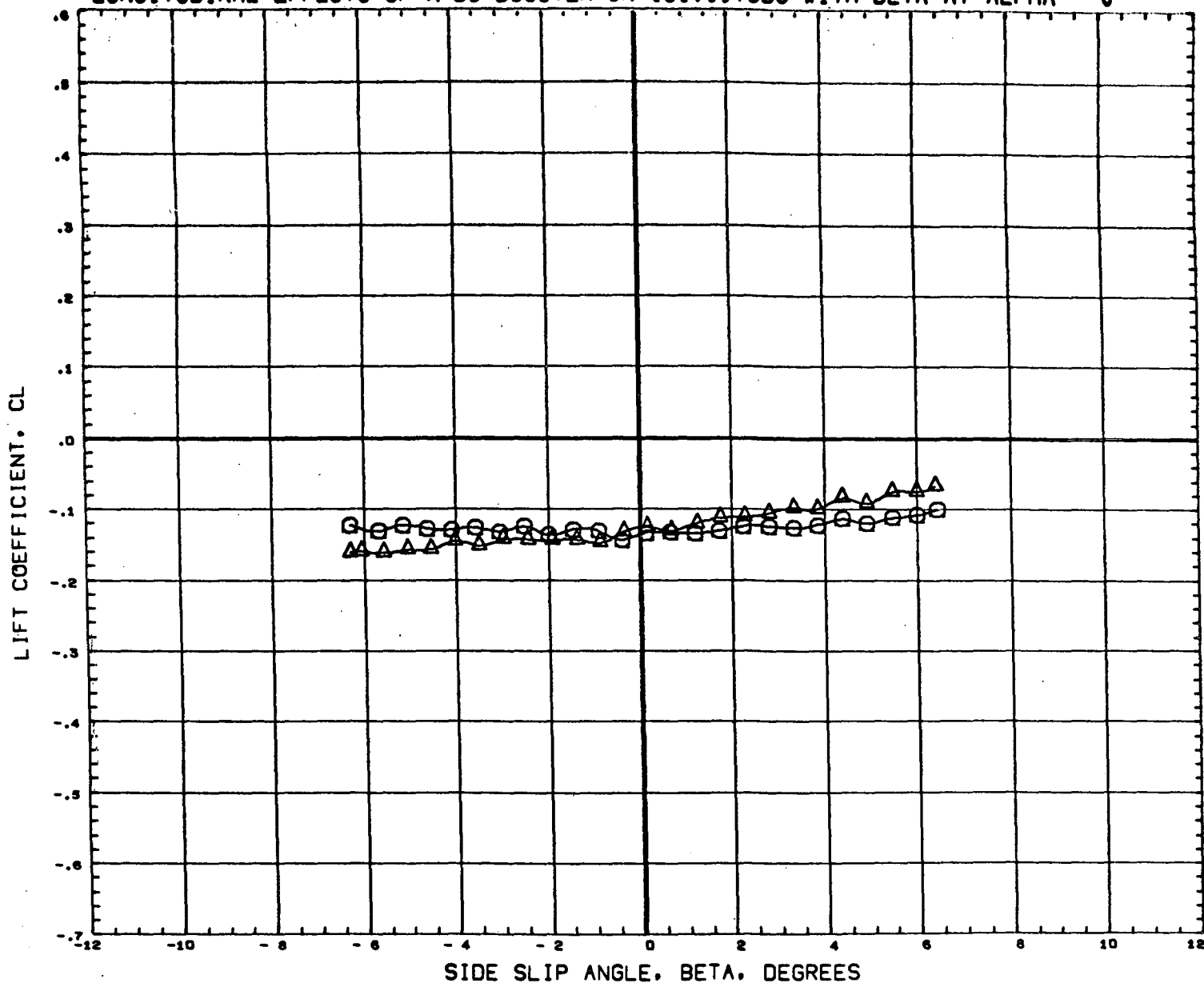


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0



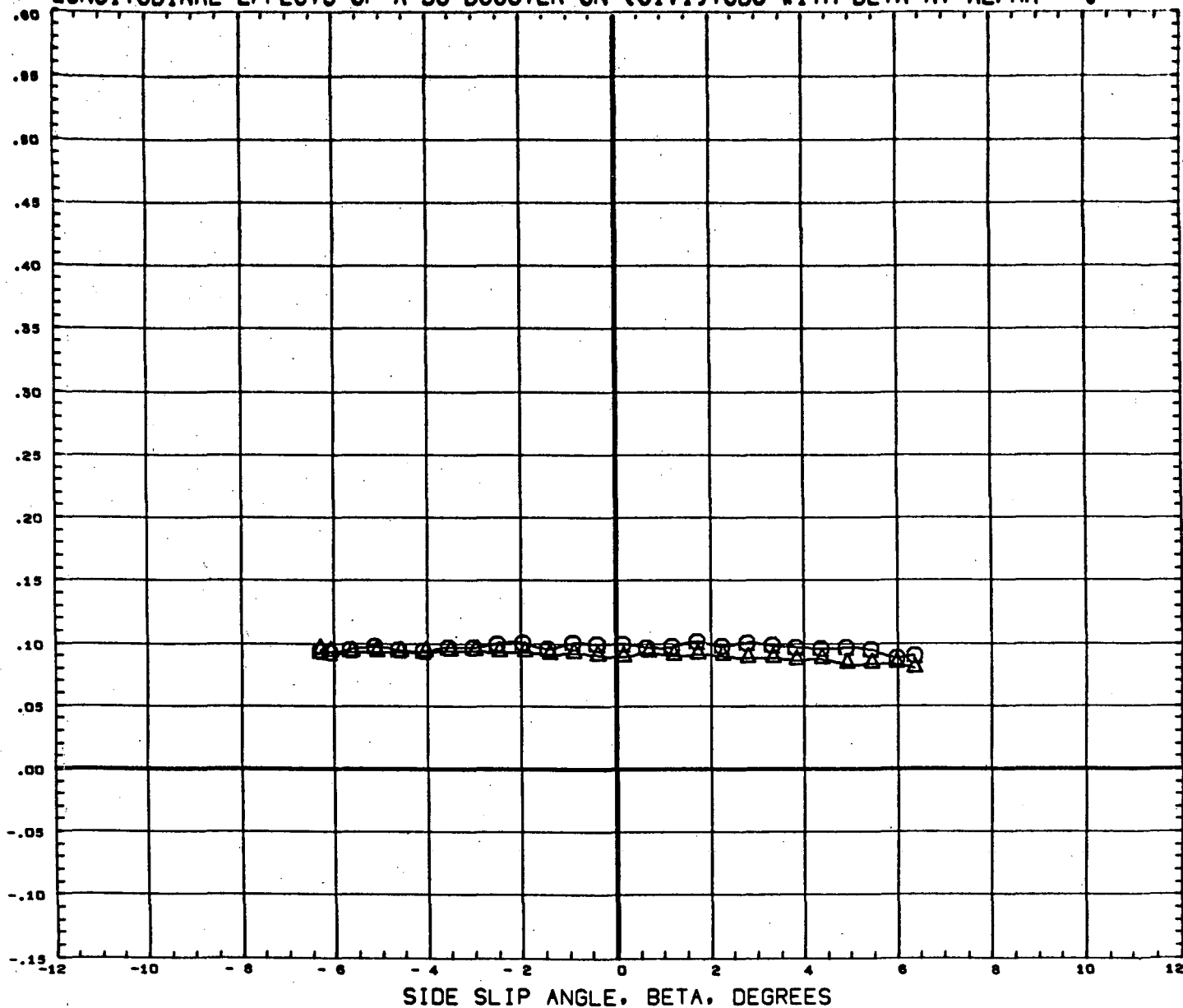
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRF	957.0004 IN.
						YMRF	0.0000 IN.
						ZMRF	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (O1V1)T3B5 WITH BETA AT ALPHA = 0

FOREBODY DRAG COEFFICIENT, CDF

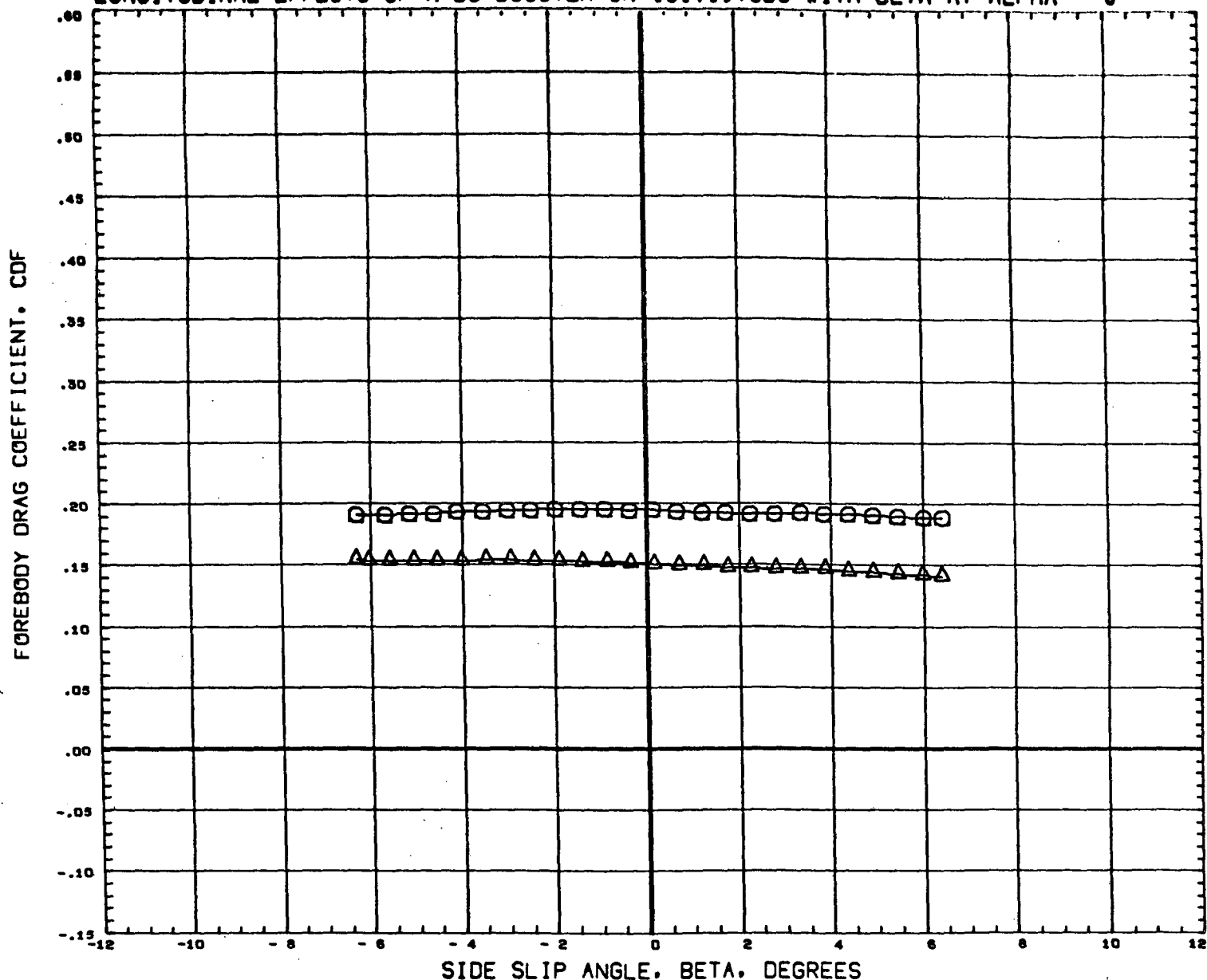


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (O1V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH .90

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LONGITUDINAL EFFECTS OF A B5 BOOSTER ON (01V1)T3B5 WITH BETA AT ALPHA = 0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	AILRON	RUDDER	REFERENCE INFORMATION	
(CD74A6)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5	0.000	0.000	0.000	0.000	SREF	3155.3040 SQ.FT.
(CD74A9)	MDAC S-222 COMPOSITE (T-CG) (01V1) T3B5L (B5R)	0.000	0.000	0.000	0.000	LREF	609.5004 IN.
						BREF	882.0004 IN.
						XMRP	557.0004 IN.
						YMRP	0.0000 IN.
						ZMRP	200.0004 IN.
						SCALE	0.0060

MACH 1.09

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